

THE  
**Monthly Correspondent,**  
*&c. &c.*

No. VIII.

AUGUST 1, 1814.

VOL. I.

**ASTRONOMICAL OBSERVATIONS FOR AUGUST.**

**A**UGUST the 8th month of the year, containing 31 days. In the ancient Roman calendar this was called *Sextilis*, as being the sixth month from March, with which the year began; but changed to its present name by the Emperor Augustus, calling it after his own name on account of his having obtained many victories and honours in that month.

The Ecliptic, in Astronomy, is a great circle of the sphere conceived through the middle of the Zodiac; it is sometimes called the *via solis*, or the sun's path, being the track which he appears to describe among the fixed stars; though more properly it is the apparent path of the earth, as viewed from the sun; and thence called the heliocentric circle of the earth. It is called the ecliptic, because all the eclipses of the sun or moon happen when the moon crosses it, or is nearly in one of those two parts of her orbit where it crosses the ecliptic, which points are called the moon's nodes.

Upon the ecliptic are marked and counted the 12 celestial signs, Aries, Taurus, Gemini, &c.; and upon it is counted the longitude of the planets and stars, it is placed obliquely with respect to the equator, which it cuts in two opposite points, viz. the beginning of Aries and Libra, which are directly opposite to each other, and called the equinoxes, making the one half of the ecliptic

No. VIII.

F r

to the north, and the other half on the south side of the equator; the two extreme points of it to the north and south, which are opposite to each other, and at a quadrant distant from the equinoctial points both ways; are called the solstices, or solstitial points; or also the two tropics, which are at the beginning of Cancer and Capricorn, and which are at the farthest distance of any points of it from the equator, which distance is the measure of the sun's greatest declination, which is the same with the obliquity of the ecliptic, or the angle it makes with the equator.

*This obliquity of the ecliptic* is not permanent, but is continually diminishing, by the ecliptic approaching nearer and nearer to a parallelism with the equator, at the rate of half a second in a year nearly, or from  $50''$  to  $55$  in a hundred years, as is deduced from ancient and modern observations compared together; and as the mean obliquity of the ecliptic was  $23^\circ 28'$  about the end of the year 1788, or beginning of 1789, by adding half a second for each year, or subtracting the same for each following year, the mean obliquity will be found nearly for any year either before or since that period; the quantity however of this change is variously stated by different authors, from  $50''$  to  $60''$  or  $70''$  for each century or hundred years. Hipparchus, almost two thousand years since, observed the obliquity of the ecliptic, and found it about  $23^\circ 51'$ , and all succeeding astronomers, to the present time, having observed the same, have found it always less and less; being now rather under  $23^\circ 28'$ ; a difference of about  $23'$  in 1950 years, which gives a medium of  $70''$  in 100 years; there is great reason however to think that the diminution is variable.

This diminution of the obliquity of the ecliptic to the equator, according to Mr. Long and some others, is chiefly owing to the unequal attraction of the sun and-

moon on the protuberant matter about the earth's equator; for if it be considered, say they, that the earth is not a perfect sphere, but an oblate spheroid, having its axis shorter than its equatorial diameter, and that the sun and moon are constantly acting obliquely upon the greater quantity of matter about the equator, drawing it, as it were, towards a nearer and nearer coincidence with the ecliptic; it will not appear strange that these actions should gradually diminish the angle between the planes of these two circles; nor is it less probable that the mutual attractions of all the planets should have a tendency to bring their orbits to a coincidence: though this change is too small to become sensible in many ages.

It is now however well known that this change in the obliquity of the ecliptic, is wholly owing to the actions of the planets upon the earth, and especially the planets Venus and Jupiter, but chiefly the former; see La Grange's excellent paper upon this subject, in the memoirs of the French academy for 1774; Cassini's in 1778; and La Lande's astron. vol. 3, art. 62737. According to La Grange, who proceeds upon theory, the annual change of obliquity is variable, and has its limits: about 2000 years ago, he thinks it was after the rate of about 38" in 100 years; that it is now, and will be for 400 years to come, 56" per century; but 2000 years hence, 49" per century. According to Cassini, who computes from observations of the obliquity between the years 1739, and 1778, the annual change at present is 60" or 1' in 100 years. But according to La Lande, the diminution is at the rate of 88" per century; while Dr. Maskelyne makes it only 50" in the same time.

Beside the regular diminution of the obliquity of the ecliptic, at the rate of near 50 seconds in a century, or half a second a year, which arises from a change of the

ecliptic itself, it is subject to two periodical inequalities, the one produced by the unequal force of the sun in causing the precession of the equinoxes, and the other depending on the nutation of the earth's axis. See the explanation and use of Dr. Maskelyne's tables and observations, p. vi. where we are shewn how to calculate those inequalities, and where he shews, that from his own observations, the mean obliquity of the ecliptic to the beginning of the year 1769, was  $23^{\circ} 28' 9''$  7.

Monday, 1st, Sun rises 18m. after 4, sets 42m. after 7

Thursday, 11th, ..... 35 ..... 4, ... 25 ..... 7

Sunday, 21st, ..... 53 ..... 4, ... 7 ..... 7

Wednesday 31st, ..... 11 ..... 5, ... 49 ..... 6.

Sol enters Virgo on the 23d of August 8h. 21m. P.M.

#### *The Lunations.*

	M. m.
Full Moon 1st day.	7 51 morning
Last Quarter 8th	10 54 night
New Moon 15th	2 5 afternoon
First Quarter 22nd	6 46 afternoon
Full Moon 30th	10 26 night.

It is worthy the observation of travellers to notice, that as the two full Moons this month are in signs of short ascension, that luminary will give useful light before midnight for nine days successively after the full; the latter lunation however will be the more serviceable; and from its being in Pisces, the opposite sign to Virgo, is called the Harvest Moon. The vulgar notion of its remaining at the full for some days together, in order to assist the gathering in of the harvest, is an error, but the following explanation of the phenomenon in this place may not perhaps be unacceptable.

It is remarkable that the Moon, during the week in which she is full about the time of harvest, rises sooner

after sun-setting, than she does any other full Moon week in the year: by this means she affords an immediate supply of light after sun-set, which is very beneficial for the harvest, and gathering in the fruits of the earth; and hence this full Moon is distinguished from all others in the year, by calling it the Harvest Moon.

To conceive the reason of this phenomenon, it may first be considered, that the Moon is always opposite to the Sun when she is full; that she is full in the signs Pisces and Aries in our harvest months, those being the signs opposite to Virgo and Libra, the signs occupied by the Sun about the same season; and because those parts of the ecliptic rise in a shorter space of time than others, as may easily be shown and illustrated by the celestial globe; consequently, when the Moon is about her full in harvest, she rises with less difference of time, or more immediately after sun-set, than when she is full at other seasons of the year.

In our winter the Moon is in Pisces and Aries about the time of her first quarter, when she rises about noon; but her rising is not then noticed, because the Sun is above the horizon.

In spring the Moon is in Pisces and Aries, about the time of her change; at which time, as she gives no light, and rises with the sun, her rising cannot be perceived.

In summer the Moon is in Pisces and Aries about the time of her last quarter, and then, as she is on the decrease, and rises not till midnight, her rising usually passes unnoticed.

But in Autumn, the Moon is in Pisces and Aries at the time of her full, and rises soon after sun-set for several evenings successively, which makes her regular rising very conspicuous at that time of the year.

*Equation of Time.*

	M.	S.
Monday 1st, add to the time shewn on the dial	5	58
Saturday 6th, .....	5	35
Thursday 11th, .....	4	57
Tuesday 16th, .....	4	5
Sunday 21st, .....	3	0
Friday 26th,.....	1	43
Wednesday 31st, .....	0	16

## LIFE OF ROGER BACON.

BACON (Roger) an English monk of the Franciscan order, an amazing instance of genius and learning, was born near Ilchester in Somersetshire, in the year 1214. He commenced his studies at Oxford; from whence he removed to the university of Paris, which at that time was esteemed the centre of literature; and where it seems he made such progress in the sciences, that he was esteemed the glory of that university, and was there greatly caressed by several of his countrymen, particularly by Robert Groothead or Grouthead, afterwards bishop of Lincoln, his great friend and patron. Having taken the degree of doctor, he returned to England in 1240, and took the habit of the Franciscan order, being but about 26 years of age; but according to some he became a monk before he left France.

He now pursued his favorite study of experimental philosophy with unremitting ardour and assiduity. In this pursuit, in experiments, instruments, and in scarce books, he informed us he spent, in the course of twenty years, no less than two thousand pounds, an amazing sum in those days, and which sum it seems was generously furnished to him by some of the heads of the

university, to enable him the better to pursue his noble researches. But such extraordinary talents, and amazing progress in the sciences, which in that ignorant age were so little known to the rest of mankind, while they raised the admiration of the more intelligent few, could not fail to excite the envy of his illiterate fraternity, whose malice he farther drew upon him by the freedom with which he treated the clergy in his writings, in which he spared neither their ignorance nor their want of morals; these therefore found no difficulty in possessing the vulgar with the notion of Bacon's dealing with the devil. Under this pretence he was restrained from reading lectures; his writings were confined to his convent; and at length, in 1278, he himself was imprisoned in his cell, at 64 years of age. However, being allowed the use of his books, he still proceeded in the rational pursuit of knowledge, correcting his former labors, and writing several curious pieces.

When Bacon had been ten years in confinement, Jerome de Ascoti, general of his order, who had condemned his doctrine, was chosen pope by the name of Nicholas IV. and being reputed a person of great abilities, and one who had turned his thoughts to philosophical studies, Bacon resolved to apply to him for his discharge; and to shew both the usefulness and the innocence of his studies, addressed to him a treatise *on the means of avoiding the infirmities of old age*: what effect this had on the pope does not appear; it did not at least procure an immediate discharge. However, towards the latter end of his reign, by the interposition of some noblemen, Bacon obtained his liberty: after which he spent the remainder of his life in the college of his order, where he died in the year 1294, at 80 years of age, and was buried in the Franciscan church. Such are the few

particulars which the most diligent researches have been able to discover concerning the life of this very extraordinary man.

Bacon's printed works are—1. *Epistola Fratris Rogeri Baconis de secretis Operibus Artis et Naturæ, et de Nullitate Magie*: Paris, 1542, in 4to. Basil, 1593, in 8vo. 2. *Opus Majus*: London, 1733, in fol. published by Dr. Jebb. 3. *Thesaurus Chemicus*: Francf. 1603 and 1620. These printed works of Bacon contain a considerable number of essays, which have been considered as distinct books in the catalogue of his writings by Bale, Pitts, &c. but there remain also in different libraries several manuscripts not yet published.

By an attentive perusal of his works, the reader is astonished to find that this great luminary of the 13th century was deeply skilled in all the arts and sciences, and in many of them made the most important inventions and discoveries. He was, says Dr. Peter Shaw, beyond all comparison the greatest man of his time, and he might perhaps stand in competition with the greatest that have appeared since. It is wonderful, considering the ignorant age in which he lived, how he came by such a depth of knowledge on all subjects. His writings are composed with that elegance, conciseness, and strength, and adorned with such just and exquisite observations on nature, that, among all the chemists, we do not know his equal. In his chemical writings he attempts to shew how imperfect metals may be ripened into perfect ones; making, with Geber, mercury the common basis of all metals, and sulphur the cement. His other physical writings shew no less genius and force of mind; in his treatise of the secret works of art and nature, he shews that a person perfectly acquainted with the manner observed by nature in her operations, would be able to rival, and even to

surpass her. From a perusal of his works, adds the same author, we find Bacon was no stranger to many of the capital discoveries of the present and past ages. Gunpowder he certainly knew: thunder and lightning, he tells us, may be produced by art; for that sulphur, nitre and charcoal, when mixed together in due proportion, and closely confined and fired, they yield a loud report; a more precise description of gunpowder cannot be given in words. He also mentions a sort of extinguishable fire prepared by art: which shews he was not unacquainted with phosphorus; and that he had a notion of the rarefaction of the air, and the structure of an air pump, is past contradiction. He was the miracle, says Dr. Friend, of the age he lived in, and the greatest genius, perhaps, for mechanical knowledge that ever appeared in the world since Archimedes. He appears likewise to have been master of the whole science of optics: he has accurately described the uses of reading glasses, and shewn the way of making them. Dr. Friend adds, that he also describes the camera obscura, and all sorts of glasses which magnify or diminish any object, or bring it nearer to the eye or remove it farther off. Bacon says himself, that he had great numbers of burning glasses: and that there were none ever in use among the Latins, till his friend Peter de Mahara Curio applied himself to the making of them. That the telescope was not unknown to him, appears from a passage where he says, that he was able to form glasses in such a manner, with respect to our sight and the objects, that the rays shall be refracted and reflected wherever we please, so that we may see a thing under what angle we think proper, either near or at a distance, and be able to read the smallest letters at an incredible distance, and to count the dust and sand, on account of the greatness of

---

the angle under which we see the objects ; and also that we shall scarce see the greatest bodies near us, on account of the smallness of the angle under which we view them. His skill in astronomy was amazing : he discovered that error which occasioned the reformation of the calendar : one of the greatest efforts, according to Dr. Jebb, of human industry ; and his plan for correcting it was followed by Pope Gregory the 13th, with this variation, that Bacon would have had the correction to begin from the birth of our Saviour, whereas Gregory's amendment reaches no higher than the Nicene council.

---

#### CONTINUATION OF J. W. P.'S. LETTER.

THE nativity of Lord Nelson as it appeared in your work, is a complete illustration of what I have said, though I do not think J. W. has calculated it correctly, it is my opinion, which I can back by superior authority, as well as by demonstration, that Saturn and Mars were near approaching or on the angles of the fourth and first.

Let any one, however, in Napoleon's nativity, take Libra ascending, so as to bring Saturn in the tenth, and compare the positions with the rules in the quadripartite, when this is done, he will find "if he can read them with any comprehension at all," that the geniture is one below mediocrity as to fortune ; for here he will have the conditionary luminary removed from his angular position, and both infortunes afflicting the superior angles, Saturn by mundane square, and Mars by mundane semi-quartile, Luna at the same time opposing her own dignities, (the ruler of the tenth house in her detriment) and in malific opposition to Saturn. Now, Sir, is there a man so senseless as to suppose that such positions would crown

the native with glory, and confer a splendid immortality on his name? Your answer, I should think, would be in the negative.

But I have another most important objection to such positions, and which indeed, if properly considered, is alone sufficient to invalidate all that Lilly junr. has advanced, which is, that with both infortunes afflicting the oriental and occidental horizon, agreeably to the before-named rules, he would have been subject to *severe hurts and wounds*: now it so happens that the fact is quite the contrary, therefore the ascendant must be aided by the presence or aspect of benefic stars, such as the bodily familiarity of Jupiter, or the mundane trine of Venus. I will assert, Sir, without fear of error, that no position of the erratics on the 15th of August, 1760, save that where six degrees of Scorpio ascends, will appositely illustrate the fate of Buonaparte, agreeably to pure astrological principles, and this I will repeat again and again, as often as it may be contradicted, and as the fact stands of the present possession of imperial title, &c. I dare say there are very few that have a knowledge of astrology that will urge any thing to the contrary.

I have neither time or inclination particularly to notice the various other absurdities in his letter, such as where the Sun is in Leo in the tenth house, he cannot find a position to confer great dignity, and where again he repeats what Ptolemy says, about fiery signs conferring the highest honour, glory, &c. and yet he knows of nothing in such a figure that would raise a man. Pray, Sir, which do you thiuk is the more likely to confer dominion, Saturn in his detriment in the tenth, or Sol in the heart of heaven, on his imperial throne, and in conjunction with the fixed star Regulus?

In another place he talks about "Virgo carrying the

planet Mars to the meridian, after which the Saturnine place was free." Where was the Saturnine place good, Mr. Lilly, Junr.? and how was it left free by the arrival of Mars?

However it seems that this *champion* can appreciate *true science* in others, accordingly J. S. and J. W. are the present astrological luminaries in his estimation, and certainly his stile of commendation is curious and elegant, they are "*earth's rarities*," &c. I have, Sir, too good an opinion of these writers from what has appeared of theirs to believe that his mode of panegyric will please them, and trust, that instead of being lulled into indifference and torpidity, as to the true base of astrology, they will be on the alert to vindicate its injured principles, by abjuring elucidations on *vague* grounds and *false* calculations.

Ere I close this letter, Sir, I beg to observe, that I hope, when you hear from this gentleman again, he will explain his real sentiments on the infant Marr's nativity, as I do assure you, that I scarcely know even now, whether he meant to be *serious* or *sarcastic* with J. W.; and let me add, that his remark about his being "compelled to lay himself into some serious and entertaining disquisition to calm his agitation of soul" is, in my humble opinion, quite out of place, as it is very doubtful how far he will find himself entertained with this discussion, or that the perturbation of his mind was such as to hinder his tranquility.

Let Lilly, Junr. confine himself in his correspondence with you, to extracting from different authors, the furnishing a *day* for the calculation of a nativity, and the solution of *stale* astronomical paradoxes; but never let him presume to dive into the *arcana* of real science, or to attempt to explain its principles, without the ardent dis-

---

position of genius, or the experience of protracted contemplation. Reserving to myself, at a future period, any further observations that may appear necessary,

I remain, Sir,

Your humble Servant,

J. W. P.

P. S. In a future letter I shall have the pleasure of pointing out the real astrological reasons which have sympathised with Buonaparte's decline of fortune.

---

*To the Editor of the Monthly Correspondent.*

SIR,

I HAD not taken in your correspondent from its commencement, but a few days ago, I purchased the set, *for the sake of the Astronomical Tables*. I shall in future avail myself of your valuable publication, on account of its *intrinsic worth*. Astrology has been my favorite study for some years. I am entirely unknown to any of your correspondents. Swift pleases me most, and with his nativity of Buonaparte I am delighted, as a master-piece of genuine science.

Your correspondent J. W. you may truly call valuable; his writings bear the strong mark of acute penetration: with the *fortiter in re*, I have no doubt that Gentleman combines the *suaviter in modo*. He will therefore not take it amiss, if I state that his account of the nativity of Mrs. Marr in your last number, has occasioned me to trouble you Mr. Editor, with a few observations, not by way of censure, for I believe the majority of students in the present day may learn from J. W.; and though what I shall observe may perhaps be very plain towards him, I trust some of your readers will be benefitted thereby.

Indeed as I am but a learner, I would propose it to J. W. by way of Quere. In all nativities, supposing the watch to be accurately set to mean time, and the time of birth exactly ascertained by such watch, is it

not indispensably necessary to apply the equation, in order to convert it into solar time? J. W. thinks the time of Mrs. Marr's birth was seven or eight minutes later than the time set down; but at that period of the year the equation of time is *about* nine minutes and a half, to be added; or in other words, clocks properly set to mean time *would be that much* slower than the dial.

At the beginning of the month of November the clocks and watches are *about* sixteen minutes behind solar time, and suppose a child born precisely at twelve in the day, by the watch, it would never do to erect the figure for noon, and place the Sun on the cusp of the tenth house; for at the instant of birth the Sun would have passed the meridian sixteen minutes of time.

If Mr. Editor, you think these remarks likely to be of any service, I shall be much obliged by their insertion; and as occasion may offer for the exercise of my humble abilities you may hear further from

Your most obedient servant,

*London, July 21st, 1814.*

MERCATOR.

---

*To the Editor of the Monthly Correspondent.*

SIR,

IN looking over the Town and Country Magazine for July, 1771, the following attracted my notice: "Her Majesty was taken in labour June 5th, half past four, and was delivered of a son, a little before six in the morning." Led by curiosity to see how far the astrological cause would agree with a certain deplorable event, I set the figure for twelve minutes before six, and have transmitted it to you for the contemplation of the studious as a most irrefragable and convincing proof of astral influence, as it leaves it to those who understand any thing of astronomy and disbelieve in astrology, either to prove that the time and calculations are wrong, or

acknowledge candidly that they never looked into the rules of astrology to see how far they agree or disagree with truth; but that they wish to retain their own opinion without examination, like the Florentine physician mentioned by Bullialdus, who would not be prevailed upon to look through Galileo's telescope himself, for fear of seeing someting which should oblige him to desert some of Aristotle's opinions; and as for any discoveries made by glasses, which others told him of, he would have no regard at all to them; and however strange it may appear that such philosophical bigotry should exist in the nineteenth century, I can positively and solemnly affirm, that I never met with any person I knew to be acquainted with astronomy, and where conversation touched upon astrology, but I have invariably offered to convince them of its real existence, and they have almost as invariably declined being convinced. To assist in removing this prejudice, I have sent you the following calculation, and I believe no one will venture to say that the effect did not correspond with the cause agreeably to the rules of every author that ever wrote upon the science.

The right ascension of Mars is - - - - -	133° 38'
His declination is 18° 56' north, and its ascensional difference under the pole of the ascendant or 51° 31' is - - - - -	25 32
Which subtracted from the right ascension as it is with north declination, gives for the oblique ascension of Mars - - - - -	108 6
From which take the oblique ascension of the ascendant - - - - -	69 40
And it leaves the arc of the direction of the ascendant to the conjunction of Mars - - - - -	38 26

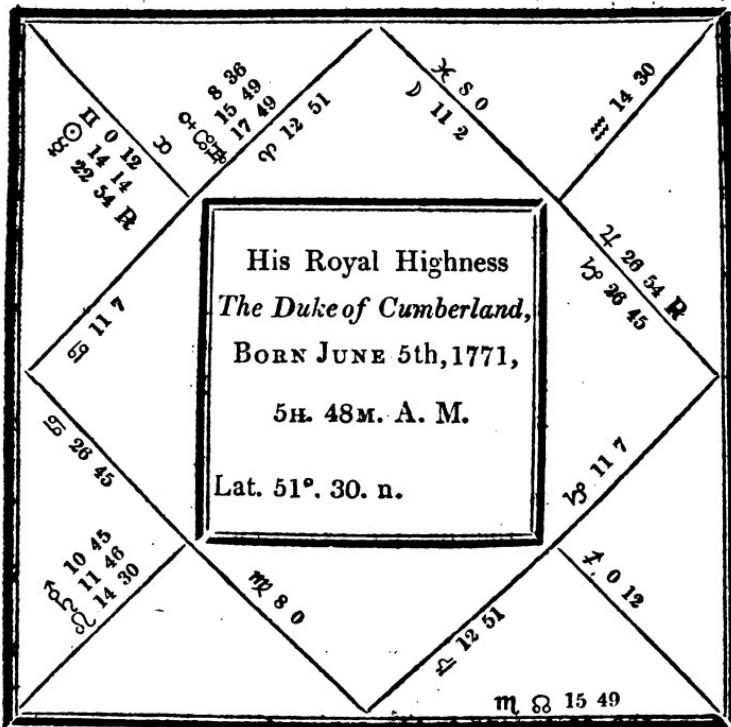
Which agreeably to Naibod's measure of time corresponds with near 39 years of age, the time the lamentable affair with Sellis happened.

Now if any one can produce a nativity like this, where Saturn and Mars were in conjunction in a violent sign, with other similar positions, and the ascendant came to their bodies without producing something of a similar effect, it would shew that astrology is delusive; and its votaries are deceived; but if on the contrary no proof of its fallacy can be adduced, let this nativity stand amongst the numberless proofs which may be advanced of its verity.

I am, Sir, Yours, &c.

W. T.

*London, July 9th, 1814.*



LATITUDE OF THE PLANETS.

☿ 15° — ♐ 0 18° — ♀ 1 24° — ♀ 1 58° — ♀ 1 46° — ♀ 4 46° — ♐ 0 2°

To the Editor of the Monthly Correspondent.

SIR,

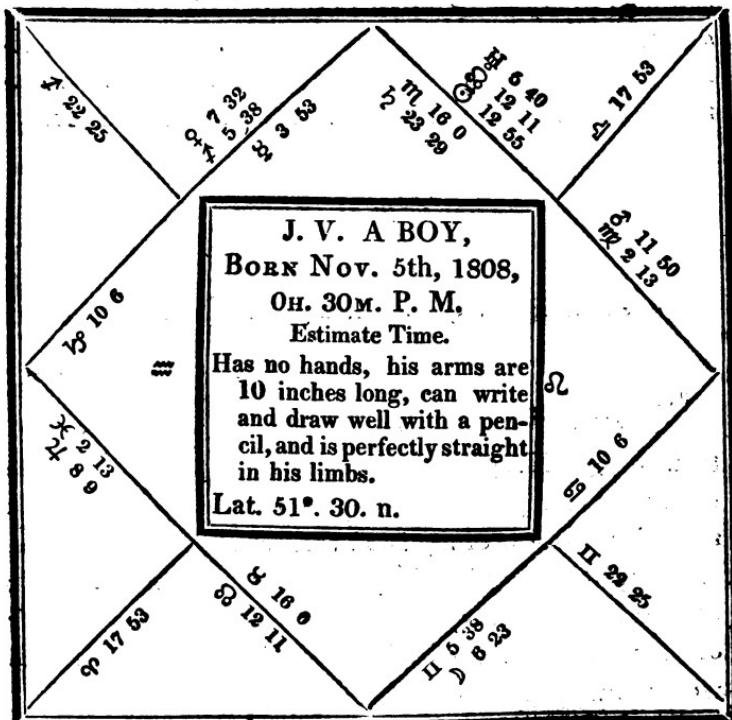
If you think the following figure worth insertion in your valuable publication, I must beg the favour of your affording it a niche in your next number.

It does appear to me to be a very remarkable nativity; and I should be glad to know from some of your ingenious correspondents, whether similar positions will, under all cases, produce the like results?

An accurate illustration of such a geniture would, in my humble opinion, be of infinite service to the young student in the art, as well as being highly serviceable in proof of its truth, to those who are at present doubtful: At any rate it would oblige your Servant,

INQUISITIVE.

Islington, July 7, 1814.



LATITUDE OF THE PLANETS.

H 1 55 m - 2 1 22 s - 3 1 36 m - 0 48 s - 2 19 s - 3 29 s - H 0 27 m  
H h

---

*Note.*--Although the Editor has given insertion to INQUISITIVE's nativity, yet he thinks it proper to observe, that very little can be deduced from a contemplation of the present figure, explanatory of the phenomenon.

The real cause can only be sought by a reference to the preceding full moon; or, what is equally good, if not preferable, the conceptional position of the erraticas.

INQUISITIVE will find, on perusing the quadripartite, that this nativity falls under the class of monstrous births; and that therefore the *siderical causes* are only to be known by reference to a pre-existing influx.

The Editor, however, in order to afford his scientific correspondents the opportunity of giving a faithful analysis of the lamentable defects, has judged that its insertion will be found producing interesting and judicious disquisition; As from the figure of birth, the pre-existing causes can be traced, and without which it is doubtful if the conceptional moment could be ascertained.

---

*To the Editor of the Monthly Correspondent.*

Clapham, July 9th, 1814.

SIR,

SINCE the Monthly Correspondent appeared, I have been a regular purchaser of it; and independent of that sort of expression of my good wishes, I have endeavoured to serve it, by giving it publicity among my friends; though I do not scruple to say, feeling that the principle of the work was not sufficiently distinct in the mode in which it was conducted.

On the 1st of June last there appeared No. 1. of the

Urania, (which I presume you have seen) avowedly for the purpose of illustrating, as well as advocating, that science, of which your pages have been appropriated to unfold its varied excellencies and beauties. As the Prospectus of that Magazine announced a definite object, I was induced to address a letter to the Editor on the subject of an Institution, founded on the base of Astrology; which he had the politeness to insert, and in the proper place expressed himself favourably disposed towards the idea.

As the Urania, however, has not since made further appearance, I beg, through the medium of your publication, to suggest a few hints that may, perhaps, forward the completion of such an establishment.

I need not, Sir, tell you how anxious I am, as far as my humble means would serve, to forward the views of any honest and intelligent person, who had the advancement of the science in question, really at heart.

I am myself a most ardent admirer of it, and so firmly convinced of its truth, when the details are scientifically developed, that I would risk my existence in its favour, on the issue of an impartial investigation of its principles.

I have some knowledge of these principles, and that acquaintance joined to the opinion of men whom I never, has so rooted a conviction in my breast of its truth, beauty, and utility, that I have reason to think will descend with me to the grave.

I believe I know something about the disposition of the public mind towards it; and I think that the apparent present torpid feeling with which it is regarded by the public, is *not real*. I have good grounds for declaring that it is in a great measure fictitious, fashion does much, and interest does more; and I have positively known well informed individuals hesitate to acknowledge any

thing in its favour in public, (while they were charmed with its results at home) from the apprehension of appearing singular, and thereby injuring their views in life.

There is, Sir, another class of persons, who are very loud in the expression of their contempt of it, and omit no opportunity of indirectly attacking its fundamental principles; would you believe that these are the individuals who know its unerring truths, and dread their display? I do assure you, that you may, without hesitation, receive this as a fact; for I declare to you on my honour, that many persons have refused to impart to me the hour of their birth, from what I have afterwards discovered, to be neither more nor less than an apprehension, that by an inspection of their genitures, I should arrive at too intimate an acquaintance with their *real* characters.

Yes, such as *those* are the most violent haters of astrology:—of such I trust I shall always be ready to say

“ Who dares think one thing, and another tell,  
My heart detests him as the gates of hell.

ILIA.D.

But not to lose sight of my principal object, I have to propose, Sir, through your magazine, the establishment of an institution, or society, of its admirers in this metropolis.

The utility of such an association must be obvious at the first glance; for whilst the enemies of astrology are united, and array against us all that learning, unanimity, prejudice, and plan can effect; aided by the symbols of power, and the paraphernalia of recognized *orders*, its public advocates are scattered, humble, and unpopular. In short, they have nothing but a confidence in truth to

keep them afloat on the wide sea of sordid interest and degeneracy of soul. Even the best astrological works of the ancients are in the possession of their bitter enemies, who wield the thunders of their anger under the protecting shield of power and prejudice, without the dread of danger.

It is clear that astrology has not fair play ; but should its espousers of a sufficient degree of respectability and talent, unite together, for the purpose of throwing in a mass, the result of combined labours, aided by a library, to be obtained by subscription, and other necessary requisites, little time would elapse ere its divine light would expand its rays over our happy country.

It is not necessary to go into the detail of the benefit it would produce to the ingenious student, wherever he might be ; but it is apparent, that a display of extraordinary genitures before such a society, aided by a candid developement of individual experience, would very soon enable it to present the public with a system founded in purity and truth, and exempt from those absurdities that have so long disgraced the art.

As attention to the moment of birth is of the last importance in the calculation of a nativity, so a recommendation to parents and others, to make particular observation of such thing, would come with a peculiar grace from embodied talent and science. I need not expiate on the advantages that would result to you Sir, by giving in your work, from time to time, reports of its proceedings, as the organ through which the institution conveyed the particulars of its progress to the world.

I say nothing about its correspondence, which might at this auspicious period of peace, collect the genuine beams of science, from the most distant depositaries, into one vast focus ; so that in return, from their fountain,

might diverge the sublime rays of ever-enduring truth to the remotest climes.

For myself, nothing within the circle of my humble means shall be wanting to compass this desirable end; and I shall look forward with real anxiety to the reception this letter may receive from you, and your intelligent readers.

In the hope that my proposition will find many early supporters, I shall merely add, that those who are disposed in its favor had better convey to you their sentiments, so that a meeting without delay might be called to adjust the preliminary basis.

In the mean time I shall cheerfully attend to any intimation that may be given either by you, or any of your correspondents, and shall be proud to see you view the thing in a favorable light.

With my warmest wishes for the success of your work,

I remain, Sir,

Yours, &c.,

ASTROLOGUS.

---

*Remarks upon the Nativity of Mr. John Lambert.*

[Continued from page 288.]

MR. LAMBERT strictly followed the opinion of Ptolemy, excepting as to the terms of the planets, and the mode of directing the hileg to the western horizon, with the addition and subtraction of the interjacent rays, as explained by Placidus and Partridge; and I must confess that in respect to the terms, whether they are taken according to the Chaldean or Egyptian method, they af-

ford some grounds for objection; and though from the experience I have had of the wonderful truths contained in almost every part of the quadripartite, and firmly believe in the whole, as far as relates to a general judgment; yet it is possible, the consideration of the terms may not affect that judgment. The ancients, no doubt, must have been extremely diligent and attentive, in their observations for ages, in tracing causes to their effects, and in discovering the harmony and sympathy between the heavens and the earth, to be enabled to transmit to posterity, such a volume of true and infallible science, as the quadripartite of Ptolemy; yet it must be allowed, that they judged certain parts of the zodiac to be the terms of one planet, and other parts to be the terms of another, from the agreement between those places, and the nature of the planet they attributed them to. Now it is near seventeen hundred years since Ptolemy wrote his quadripartite; and he gives the terms according to the Egyptians, as he says, "on account of the credit of its ancient tradition;" and in the same chapter, in speaking of the Chaldean terms, he mentions an old writing containing them, "in many places worn out by age;" therefore if we suppose the terms were found by experience, two thousand years back, to agree with the planets then allotted to them, it is evident the nature of those places must be greatly altered by the change of longitude, and declination of the fixed stars, occasioned by the retrocession of the equinox; so that the stars in one degree of any sign, two thousand years ago are now in the twenty-ninth degree of the same sign. However, it is possible, that particular parts of the same sign may agree with the nature of one planet, and other parts of it sympathise with another, independent of the fixed stars, from their respect to, or distance from, the equinoctial and tropical points, from whence the signs themselves derive their

nature and virtue, without regard to the fixed stars in them. I should be sorry to differ from Ptolemy, even in a single sentence, without repeated experience and demonstrative proofs of its error; yet reason tells us, that the Georgian planet should be allowed to possess some terms, as well as the others; but not being known to the ancients, it has neither house nor terms; and it is therefore reasonable to suggest, that the allotment of the terms may be erroneous; and from its being nearly the lowest essential dignity a planet can have, it will make but little difference in the general judgment, deducible from any astrological figure. It may be fairly asked, why the luminaries are not allowed to possess certain terms, seeing they are allowed to have their regular triplicities in common with the planets? And here it may not be amiss to notice, that notwithstanding the little apparent derangement produced in the system of astrology, by the introduction of the Georgium sidus, it happily fills up a chasm of greater consequence, if we allow it to preside with Mars, over the watery triplicity, as one planet was certainly wanted before the discovery of Herschel, to complete the system in this respect. As the dignity of triplicity is of infinitely more power and consequence than the terms, therefore the ancients were less liable to err in the triplicity than in the terms; and without destroying the system of astrology transmitted to us by the ancients, according to the best means of information they possessed; it would make it more agreeable to nature and reason, to allow Saturn and Herschel to possess the two signs opposite to the houses of the luminaries; so that Saturn, though perfectly agreeing with the nature of Capricorn, being cold and dry, may possibly be strong there, yet the Georgian planet may perhaps possess the *supreme* rule of Capricorn, which would make the sys-

tem with the introduction of the Georgian planet perfectly harmonious. However, I merely throw this out as a hint for the consideration of the unbiased student, as I am well aware that the ancient system of astrology resulted from long experience, and laborious observation, and should not be subverted, or suffer the least detraction upon slight grounds. But if we allow the Georgian planet to have influence, it must be admitted the system of the ancients was a little defective; but as to the four small planets recently discovered between the orbits of Mars and Jupiter, they may reasonably be left out of astrological consideration: for in the first place, they are so extremely diminutive in comparison with the least of the other planets; and in the next place they deviate so far from the ecliptic or path of the earth, as not to affect it: yet it is possible they may have some slight operation when in their nodes, which happens but seldom. It was such considerations as those, which induced Mr. Lambert to receive cautiously, and examine closely for himself, even Ptolemy's opinions; and his own nativity, set him upon enquiry about directing the hileg to the western horizon, as the sun is unquestionably the giver of life; yet he could not find, by adding the good, and subtracting the evil interjacent rays, it would agree with the result: and from various experiments I am led to think with Mr. Lambert, that Ptolemy was either mistaken, or has been misunderstood by Partridge or Placidus: for I have in my own family three nativities, where the hileg is above the western angle, and within four degrees of the cusp, and they each had illness at the time it came to the seventh house by oblique descension, yet did not destroy life in either; and being so near the horizon, there could not be many interjacent aspects, either good or bad. Indeed, so far from the seventh house

invariably destroying the lord of life, as Ptolemy expresses it, I have seen several persons living, where the malefic was exactly on the seventh at their birth.

I shall just observe further, that Mr. Lambert could not see the reason for directing the sun differently from its being in the eastern crepusciline space; and he thought himself justified by experience in his different opinions. To proceed to his nativity, we find Taurus ascending the eastern horizon, and Venus ruler of it in Capricorn, upon the cusp of the tenth house; and though Venus in that sign generally describes a small person, yet the moon being in Leo, and exactly on the cusp of the fifth house, or in mundane trine to the ascendant, would add to his stature; and he was a well grown man, possessing a firm, determined, and resolute mind, from the moon being in a fixed sign; and having the declination of Mars, and nearly in conjunction with that planet in a fiery sign, made him hasty in temper; and though Mercury in conjunction with Jupiter in Sagittarius, in the seventh house, gave him excellent abilities, and made him ready at learning every thing he applied himself to; yet their being in an obeying sign, and the moon in a commanding sign, strong as his reasoning faculties were, his sensitive were still stronger. It is remarkable that he was from 18 years of age to the end of life, almost continually embroiled and entangled with different females at the same time; and his inclination in this respect is aptly signified by the potency of Venus, his significator on the tenth, in the amorous and movable sign Capricorn; and though never exactly single, he was never married; which is well denoted by the moon being in conjunction with Mars, and in opposition to Saturn. However, he was very near marriage about 36 years of age; he had then operating in his nativity the moon to

the sextile of Mercury, and Jupiter, in the zodiac. The following is the calculation.

The right ascension of the Moon is - - -  $138^{\circ} 10'$

Her declination is  $17^{\circ} 5'$  N. and her ascensional difference to pole of the  $\delta$ th is  $7^{\circ} 39'$   
which added to the right ascension in a

northern sign gives - - - - -  $145^{\circ} 40'$   
for the oblique decension of the moon under the pole  $23^{\circ}$ .

Jupiter casts his sextile to  $1^{\circ} 42'$  of  $\Delta$ , the right ascension of which, is - - - - -  $181^{\circ} 35'$   
and the declination is -  $0^{\circ} 39.8$

the ascensional difference is - - - - -  $0^{\circ} 15'$   
which with south declination, must be -  
subtracted from the right ascension -  $181^{\circ} 20'$   
and it give  $181^{\circ} 20'$  for the oblique descension of the sextile of Jupiter under the pole of the Moon, and the moon's oblique ascension subtracted from

it - - - - - - - - - - -  $181^{\circ} 20'$   
- - - - - - - - - - -  $145^{\circ} 40'$

leaves - - - - - - - - - - -  $35^{\circ} 40'$   
for the arc of direction of the moon to the sextile of Jupiter. It will be seen by inspecting the figure that Saturn cast his sesquiquadrate ray, to the same degree and minute, which was the cause of the match breaking off.

He was again very near marriage in his 38th year, the banns being actually published in Whitechapel church April 4th, 1795, from the midheaven to the sextile of Venus; for the semidiurnal arc of Venus is  $8^{\text{h}}. 48\text{m}. 0^{\circ} 57'$ ; and of course the space of one house is  $19^{\circ}$  which being doubled for the mundane sextile, as Venus is upon the midheaven, gives for the arc of direction  $38$  degrees.

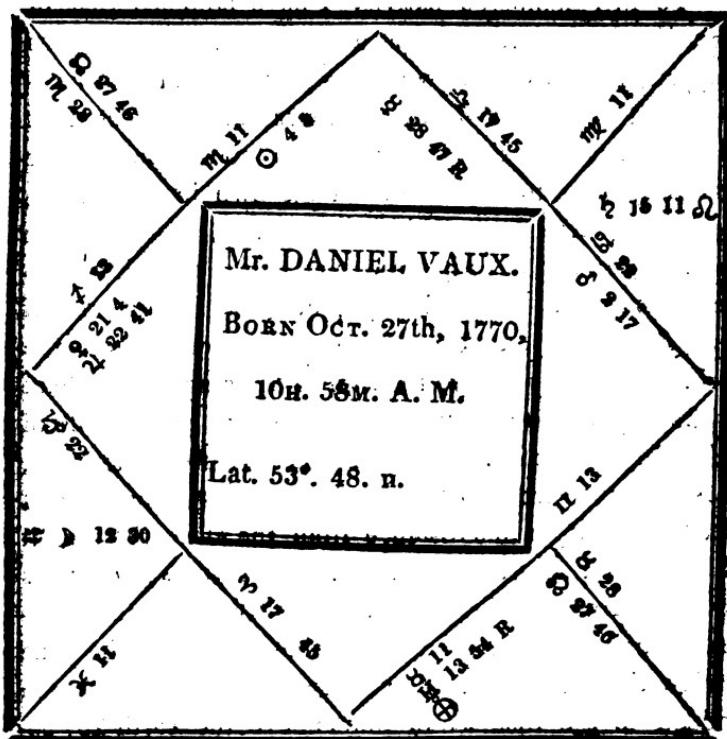
But here it is obvious that when Venus came to the cusp of the 8th, the moon being upon the cusp of the 5th house, came to the mundane quartile of the same planet, frustrated the marriage; I believe from the father of Miss K. refusing to give with his daughter what Mr. L. expected.

After this period he never thought seriously of marriage, and previous to it his constant beverage being water, that habit was also entirely changed, to one of an infinitely more pernicious nature, as he took to drinking the most ardent spirits in large quantities, which greatly accelerated his end.

He died May 28th 1809, he had then after a long train of evil directions, the sun to the sesquiquadrate of Mars direct, and the moon to the parallel of Mars converse. The semidiurnal arc of the ☽ is 4h. or 60 degrees and the seminocturnal arc of Mars in 69° 30', then the sun's distance from the 10th house, 46° 34' taken from 60° his half day arc leaves his distance from the 7th, 13° 26', again if 4 hours the suns half day arc, give 13° 26' for his distance from the seventh what will 4 hours 38 minutes the seminocturnal arc of Mars give for his secondary distance from the 4th house; the answer will be 14° 54'; and this taken from 29° 28' the primary distance of mars from the fourth house, leaves the arc of direction of the sun to the quartile of mars, 14° 44'; and if to this we add the fourth part of the nocturnal arc of mars, or the space of one house and a half, which is 34° 45', being the half of 69° 30'; it will give for the arc of direction 49° 29'; answering according to Naibod, to between 50 and 51 years; which was the time death began to approach him; and this was followed by the ascendant to the sextile of mars in Mudo and the moon to the same aspect of mars in the zodiac.

To Mr. Lambert's nativity I have adjoined that of Mr. Daniel Vaux, who was a gentleman well known as superintendant of the workmen at the canal at Blackwall and West India Docks, and was much respected for his integrity and abilities by all who knew him. I have given the time to a minute from his own hand writing, as he understood something of astrology, though I have heard him say the estimate was at eleven o'clock or two minutes latter. He died July 7th, 1809, from a train of evil directions, but I conceive the following were the principal ones, namely, the Sun to the sesquiquadrate of Mars in mundo direct, and the Moon to the quartile of Mars in the Zodiac. The Sun's distance from the tenth,  $15^{\circ} 28'$  taken from the space of his diurnal house  $23^{\circ} 54'$  leaves  $8^{\circ} 26'$  for his distance from the eleventh, then if his semidiurnal arc which is 4h. 37m. give  $8^{\circ} 26'$  for his distance from the eleventh, what will 3h. 29m. the semi-nocturnal arc of Mars give for the distance of the trine below the 7th house? the answer will be  $6^{\circ} 22'$ , which added to the distance of Mars above the earth  $23^{\circ} 53'$  makes for the arc of the Sun to the trine of Mars  $30^{\circ} 15'$ . and if we add to this, half the space of the nocturnal house of Mars which is  $8^{\circ} 42'$ , the sum total will be  $38^{\circ} 57'$  for the arc of direction of the sesquiquadrate of Mars in mundo direct, and just at the same age it happened to reach the semiquartile of Mars converse, and in the 39th year in which he died, the Moon came to the quartile of Mars in the Zodiac and the year before to the sesquiquadrate of Saturn, &c.

J. W.



## LATITUDE OF THE PLANETS.

SUN—24° 10' n.—JUPITER—2° 37' n.—MARS—3° 33' s.—VENUS—3° 01' n.—MERCURY—3° 02' 27'.



*To the Editor of the Monthly Correspondent.*

SIR,

THOUGH I have not been ignorant of the existence of such a publication as yours, since the second number appeared, yet up to this moment I have had no opportunity of having communication with you, on the interesting basis of your magazine.

On a glance at my signature, you may perhaps feel a renewal of surprise, (if surprise you have felt) at not having heard from me before considering the publicity I have given to my astrological opinions. It would be useless, Sir, for me to enter into a particular explanation of the cause of my silence; I shall only observe that in future I shall anticipate the gratification of being a tolerable regular correspondent.

I cannot omit here the expression of my thanks to you for the establishment of a vehicle which is most essential in aid of the display of sidereal influx, and is indispensably necessary not only for the purification of the science, and the propagation of its principles, but to infuse into the frame of its existence, a new vitality, which shall combine the invaluable instructions of antiquity, with the improvements of modern investigation.

Allow me in this place to say, that you have my warmest wishes for your success; and to assure you that your perseverance in the good cause, has done, as it will continue to do you, ample credit; and has not merely assured you my humble admiration, but will I have little doubt give you the possession of the liberal patronage of a discerning public.

To me, I need not tell you how dear your pages will be, if confined to a distinct and determinate object; my life has been in a great measure devoted to the true attainment of stellar knowledge, (I hope I have not laboured in vain) and I shall be happy through your medium to impart to the young student, from time to time, any little information I possess; as well as being thankful for any instruction I may receive through the same channel.

I have observed with some degree of pain in your two last numbers, a controversy springing up, on a pub-

lication of mine, between J. W. P. and Lilly, Jun. who whatever may be their respective merits as skilful astrologers, appear to be on a par, as to good wishes and ardour in the pursuit of truth. It is an unfortunate circumstance that when the state of the science requires undivided support, and the most strenuous exertions of unanimity, that two gentlemen, who certainly appear by their writings, to be well calculated to serve its true principles, should disagree, (where an uninterested observer would suppose there could be but one opinion) and that too with an unpleasant degree of asperity.

I cannot help expressing my sincere regret at this circumstance, at the same time that I cannot avoid hoping that ere long, Lilly, jun. as well as many of a similar opinion, respecting Buonaparte's nativity, will feel convinced that the position J. W. P. has thought proper to elucidate, is the more consonant to the real principles of the art; and as more congenial to the sublime precepts of Ptolemy; so more agreeable to truth.

However, Sir, I trust I may be pardoned for saying, that the exposition of truth or falsehood, in matters of science, is not necessarily connected with that sort of language which savours of personality; and without a wish to give offence any way, I think I may assert, that the cause of truth is better aided by moderation, than a too confident expression of opinion; though certainly there is less room for tenacity where opinions are resting on spurious authority, and insecure foundations.

For the present, I will just add, that Lilly, jun. seems to confound the effects of directions, with the effects of radical positions, and that at this time he does not seem sufficiently to regard the power of Herschel.

I shall feel obliged by the insertion of this letter,

which if so, I shall hold as ominous of a pleasurable intercourse in future. Remaining, Sir,

Your humble servant,

P. J. SWIFT.

*Walworth, July 18th, 1814.*

---

*Observations on the influence of the Georgian, communicated to the Editor through a private channel.*

WHAT an important epoch in the annals of astrology is the discovery of this new primary planet—what a vast field of scientific enquiry its existence opens to our view. A ponderous, vast and magnificent orb, attended by a sublime train of satellites, is seen rolling in its sphere, at the enormous distance of eighteen hundred millions of miles from the Sun, subject to the same circular course, obeying the same centre, and impelled by a like impulse as the rest of the planets.

How deeply genius regrets, how sincerely science deplores the absence of this immense orb from the calculations of planetary influence: what a chasm in the volume of the skies it has filled, and which now it is known to have existed since wisdom reared the fabric of science, impresses on the mind the most fearful sensations and the most poignant pain.

But vain are the regrets—vain are the wishes of the student of astrology; our forefathers in the most towering rise, of the eagle-flight of their intellect never observed the sphere of the Georgian, though the spirit of their boundless mind sought the confines of creation.

Yet true ardour and real soul, will always deplore, for the sake of genuine science, that the knowledge of the existence of this planet was not coeval with the Sun,

---

and the rest of the heavenly host. Had the Deity in his Omniscience but decreed to man a perfect acquaintance with the starry inhabitants of the wide-realms of space, when his mighty energies first gave life to all; then at this forlorn and gloomy period for truth, we might have possessed the luminous details of his power from the unerring land of ancient lore.

Then the legitimate student in the predictive art might have raised his admiring eyes to the beacon light of antiquity, unshorn of its beams and darting its perfect and undiminished splendors through all the mazes of predictive astronomy.

Led by such a light, and under the guidance of such wisdom, those who have sought a knowledge of things below by a contemplation of things above, would have long since given a mortal blow to the base endeavours of their enemies; then would astrology have raised the lofty turrets of its fabric to the elevation of perfection, gilded by the rays of celestial truth.

Neither would they have had to lament the disappointment of their own best hopes, and the failure of many ingenious calculations, as the knowledge of the existence of the Georgian, comprising an acquaintance with the sphere of his influence, seems now to have been all that was wanting in the elucidation of sidereal power.

But is it possible, amid the expressions of real sorrow by the admirer of the sympathies of nature, that the note of triumph should be heard over prostrate truth? Can it be believed that there is to be found the carpings of envy and malice, aided by prejudice and misrepresentation, instead of candid acknowledgements and liberal indulgence towards the ardent pursuers of real knowledge? Yes, it is too true, that in the place of a noble candour, declaring its want of information to enable it

rightly to decide on the merits or demerits of astrology, the most foul and opprobrious abuse is levelled without mercy on students, and science ; and the very reason that should induce all to make allowances for the partial imperfection of its details, (the absence of the Georgian from all the calculations up to this period) is converted by many into a means of ridicule, and as final proof of astrological absurdity.

It is not our business to repine at the dispensations of a gracious God, but human nature can scarcely support the patient endurance of such an abominable perversion of the best faculties belonging to man.

Will the soul teeming with sensibility and generous feelings, animated at the same time by that energizing power that leads to the anxious contemplation of *things*? Can such a being be influenced against the predictive art by the malignant and frothy declamations of unprincipled persons ; men who have no bias but interest, and who have no other rule of conduct ; who are infinitely more anxious about their worldly prosperity than about the propagation of truth, and whose whole lives present nothing but a base subserviency to the existing order of things, and the most sordid pursuits of gain—surely not. Rather would it rise into a virtuous and deep indignation against the treacherous slander of servility, and consign the base tool of fashion and interest to the most perfect contempt.

(*To be continued.*)

---

### INTERESTING ANECDOTE OF DRYDEN.

DRYDEN, the celebrated poet, was extremely fond of judicial astrology, and used to calculate the nativity of his children. When his Lady was in labour with his son

Charles, he being told it was decent to withdraw, laid his watch on the table, and begged one of the ladies then present, in a most solemn manner, to take exact notice of the very minute the child was born; which she accordingly did, and acquainted him with it. About a week after, when his Lady was pretty well recovered, Mr. Dryden took occasion to tell her that he had been calculating the child's nativity; and observed with great sorrow, that he was born in an evil hour; for Jupiter, Venus, and the Sun were all under the earth, and the Lord of his ascendant afflicted with a hateful square of Mars and Saturn. "If he lives to arrive at the eighth year," says he, "he will go near to die a violent death on his birth-day; but if he should escape, of which I see but small hopes, he will in the twenty-third year be under the same evil direction; and if he luckily should escape that also, the thirty-third or thirty-fourth year I fear is"—here he was interrupted by the immoderate grief of Lady Elizabeth, who could no longer bear to hear so much calamity befall her young son. The time at last came, and August was the inauspicious month in which Charles Dryden was to enter into the eighth year of his age. The court being then in progress, and Mr. Dryden at leisure, he was invited to the country seat of the Earl of Berkshire, his brother-in-law, to keep the long vacation with him, at Charlton, in Wilts. Lady Elizabeth was invited at the same time to her uncle Mordaunt's, to pass the remainder of the summer. When they came to divide the children, Lady Elizabeth would gladly have had Mr. Dryden take John, and suffer her to have Charles; but Dr. Dryden was too absolute, and they parted in some anger: he took Charles with him, and she was obliged to be contented with John. When the fatal day came, the anxiety of the Lady's

spirits occasioned such an effervescence of blood, as threw her into so violent a fever, that her life was despaired of, till a letter came from Mr. Dryden, assuring her that her son Charles was well, which recovered her spirits; and in six months after she received an *eclaircissement* of the whole affair. Mr. Dryden, perhaps, through fear of being reckoned superstitious, was extremely cautious of letting any one know that he was a dealer in astrology; therefore could not excuse his absence on his son's anniversary, from a hunting-match Lord Berkshire had made, and to which the adjacent gentlemen were invited. When he went out, however, he took care to set the boy a double exercise in the Latin tongue, which he taught his children himself, with a very strict charge not to stir out of the room till his return; well knowing the task he had set him would take up a longer time. Charles was carefully performing his duty, in obedience to his father's command, when, as ill fate would have it, the stag made towards the house; and the noise alarming the servants, they all hasted out to see the sport; one of them took young Dryden by the hand, and led him out to see it also; when just as they came to the gate, the stag being at bay with the dogs, made a bold push and leaped over the court-wall, which was very low, and also very old; and the dogs following, threw down part of the wall, ten yards in length, under which Charles Dryden lay buried; he was immediately dug out, and after six weeks languishing in a dangerous way, he recovered. So far Dryden's prediction was fulfilled. In the 23d year of his age Charles fell from the top of an old tower belonging to the Vatican at Rome, occasioned by a sudden swimming in his head, with which he was seized, the heat of the day being excessive.

He again partially recovered, but was ever after in a languishing sickly state. In the 33d year of his age, being returned to England, he was unhappily drowned at Windsor. He had, with another gentleman it seems, swam twice over the Thames; but returning a third time, it was supposed he was taken with the cramp violently, because he called loudly out for help, but unhappily too late. Thus the father's calculation proved but too prophetical.

---

#### INTERESTING ACCOUNT OF THE MAGNET.

MAGNES, the *Loadstone*; is a kind of feruginous stone, resembling iron-ore in weight and colour, though rather harder and heavier; and is endued with divers extraordinary properties, attractive, directive, inclinatory, &c.

The magnet is also called *Lapis Heracleus*, from Heraclea, a city of Magnesia, a port of the ancient Lydia, where, it was said, it was first found, and from whence it is usually supposed that it took its name; though some derive the word from a shepherd, named Magnus, who first discovered it on Mount Ida, with the iron of his crook. It is also called *Lapis Nauticus*, from its use in navigation.

The Magnet is usually found in iron mines, and sometimes in very large pieces, half magnet, half iron. Its colour is different, as found in different countries. Norman observes, that the best are those brought from China and Bengal, which are of an irony or sanguine colour; those of Arabia are reddish; those of Macedonia, blackish, and those of Hungary, Germany, England, &c. the colour of unwrought iron. Neither its figure nor

bulk are constant or determined, being found of all shapes and sizes.

The ancients reckoned five kinds of magnets, different in colour and in virtue: the Ethiopie, Magnesian, Bæotic, Alexandrian, and Natolean. They also took it to be male and female: but the chief use they made of it was in medicine, especially for the cure of burns and fluxions of the eyes. The moderns, more happy, take it to conduct them in their voyages.

The most distinguishing properties of the magnet are, that it attracts iron, and that it points towards the poles of the world; and in other circumstances also dips or inclines to a point beneath the horizon directly under the pole; it also communicates these properties, by touch, to iron. By means of which are obtained the mariners' needles, both horizontal, and inclinatory or dipping needles.

The attractive power of the magnet was known to the ancients, and is mentioned even by Plato and Euripedes, who call it the Herculean stone, because it commands iron, which subdues every thing else: but the knowledge of its directive power, by which it disposes its poles along the meridian of every place, or nearly so, and causes needles, pieces of iron, &c, touched with it, to point nearly north and south, is of a much later date; though the discoverer himself, and the exact time of the discovery, be not now known. The first mention of it is about 1260, when it has been said that Marco Pole, a Venetian, introduced the mariner's compass, though not as an invention of his own, but as derived from the Chinese, who it seems had the use of it long before; though some imagine that the Chinese rather borrowed it from the Europeans.

But Flavio de Gira, a Neapolitan, who lived in the 13th century, is the person usually supposed to have the best title to the discovery ; and yet Sir G. Wheeler mentions, that he had seen a book of astronomy much older, which supposed the use of the needle, though not as applied to the purposes of navigation, but of astronomy. And in Guiot de Proins, an old French poet, who wrote about the year 1180, there is an express mention made of the loadstone and the compass ; and their use in navigation obliquely hinted at.

*The variation of the magnet, or needle, or its deviation from the pole, was first discovered by Sebastian Cabot, a Venetian, in 1500, and the variation of that variation, or change in its direction, by Mr. Henry Gellibrand, professor of Astronomy in Gresham college, about the year 1625.*

Lastly, the dip or inclination of the needle, when at liberty to play vertically, to a point beneath the horizon, was first discovered by another of our countrymen, Mr. Robert Norman about the year 1576.

*(To be continued.)*

**LINES ON THE INFLUENCE OF JUPITER.**

---

" Oh, Jove, much honor'd Jove, supremely great,  
" To thee, our holy rites we consecrate,  
" Our prayers, and expiations, King Divine :  
" For all things round thy head exalted shine."

**ORPHIC HYMN TO JUPITER.**

---

VIEW yon bright path, the gracious round of Jove,  
The star of *peace, beneficence, and love* ;  
Parent of virtue, good he showers still,  
And heavenly sympathies his aspects fill ;  
The heart's sole lord, if he the east ascends,  
His ray to noble thoughts and virtue tends ;  
Gives prudence, courage, sentiments refin'd,  
Compassion, with an elevated mind ;  
Unites with dignity the mildest grace,  
A mien divine, sublime the human face.  
To noble forms he joins the lib'ral soul,  
Fit for command and sovereign controul ;  
Whose wide empire embraces varied climes,  
And lives immortal in succeeding times.  
Happy the hour his bounteous rays illume,  
From life he dissipates Saturnian gloom ;  
And Mavor's rule, and Herschel's sullen rays,  
He mildly tempers with his radiant blaze.  
Onward through space the Fabricator \* rolls,  
Confiding goodness to superior souls ;  
With tranquil motion as he glides along,  
The spheres resound his praise in sacred song ;  
The god-like strains in full-ton'd chorus rise,  
And fill with harmony surrounding skies ;

**L L**

His beams seraphic widely spread their light,  
Diffusing splendor on the human sight ;  
And bounteous darts his genial influence far,  
The nations hail him Fortune's darling star.  
How bright the east when he its circle dyes,  
Blest is that empire where his splendors rise ;  
There peace and love reside at his command,  
And pour their blessings on the favor'd land ;  
There true religion, fervent and sincere,  
Confines the passions to her heav'ly sphere ;  
Her aid divine philosophy confers,  
And man her paths immortaliz'd prefers ;  
**H**er head magnificent the altar rears,  
And clad in willing sacrifice appears.  
There pious prayer, with resignation's found,  
And manly virtues trace the kingdom's bound.  
Such happy transit bids spontaneous stream,  
A tide of riches which with glory teem,  
Confer with virtue everlasting fame,  
Renown immortal, and a deathless name ;  
Kingly associates, join'd with princely friends,  
With power supreme his active essence sends.  
A prosperous fate his indications show,  
Exempt from pain, from infamy, and woe ;  
A blameless life, which sacred science warms,  
No fierce contention, and no love's alarms ;  
The keen pursuit of truth's resplendent light,  
Unaw'd by frowns, unmov'd by venal spite ;  
The placid calm, which easy conscience greets,  
The kindred feelings which affection meets ;  
The rural joy, imparting true repose,  
Where blooming flowers their fragrant sweets disclose ;  
That pure content, not unallied to fame,  
The hallow'd offspring of a virtuous name ;  
That manly worth, with energy endu'd,  
Which adverse fortune never yet subdued ;

That, *tide what may*, is like an awful rock,  
Enduring still succeeding ages shock.  
Such mind as this, all powerful Jove defines,  
The gift for kings, for statesmen, and divines :  
Such is the fate the kingly star controls,  
In various stations, yet with kindred souls.  
If he should chance to rule the marriage vow,  
His indications kind agreement shew ;  
A lovely bride by modesty inspir'd,  
A manly bridegroom with affection fir'd ;  
Their hearts united with their plighted hands,  
Their bound by love with hymea's silken bands.  
The same pure passion animates each breast,  
Their guide, their hope, and joy residing guest.  
Their morn of wedlock's like the op'ning rose,  
The noon unfading all its charms disclose ;  
Their wedded eve when all its beauty's fled,  
Is fill'd with fragrance, tho' the leaves are dead.  
When Sol, or Luna, meet his happy beam,  
With lovely forms his gracious aspects teem ;  
Or when the God exulting rides on high,  
Estron'd in power he greets the middle sky.  
His chariot tracing the meridian line,  
Auspicious shows a progeny divine ;  
Blooming as Hebe, gay as Hermes' mien.  
In them a true benignity is seen ;  
They grow in goodness as their years increase,  
They live in splendor and they die in peace.  
Blest offspring of the purest wedded love,  
Whose true affection emanates from Jove ;  
Their rosy cheeks, their sparkling eyes declare,  
The precious gifts of health they ample share :  
Their agile tread, their well-turn'd limbs and face,  
Bespeak the mien of energy and grace ;  
Their features tell a sure presage of mind,  
The temper equal, pliant, free, and kind ;

The close affinity 'tween head and heart,  
 Where each receive, and each their aid impart:  
 All these supreme felicity ensure,  
 When form and mind are happily mature.  
 A certain guide to those who plow the main,  
 The storm is hush'd by his inspiring reign ;  
 The loudest winds are chang'd to cheerful gales,  
 Which waft the bark and fill the ample sails ;  
 Old ocean's deeps are still'd in pleasing rest,  
 And smiling bear to port their floating guest ;  
 Whose cargo rich in generous traffic's sold,  
 For eastern pearls, and ivory, and gold.  
 Tis thus, if commerce urge the bark with speed,  
 Of boundless wealth she gains the precious meed ;  
 All, are enrich'd by Jove's propitious star,  
 Free from dread storms and desolating war ;  
 To their lov'd land in safety they repair,  
 Crown'd with success and envi'd treasures rare.  
 Hail star divine, immortal thund'ring Jove,  
 Emblem of *peace, beneficence, and love.*

The platonic theology places Jupiter at the head of the *demiuergie* or *fabricative*, order of the gods : hence the writer of these lines has used the licence of applying the appellation of *fabricator* to the star in a *general* way, which the ancients only appropriated as descriptive of his *particular* essence, in the exercise of which freedom he flatters himself he shall not give the slightest offence to the truly scientific mind.

## JANUARY 1805.

|    | place of ♀'s node. | h's latit.  | 24's latit.   | ♂'s latit.  | ♀'s latit. | ♀'s latit.   | h's declin. | 24's declin. | ♂'s declin. | ♀'s declin. | ♀'s declin. |
|----|--------------------|-------------|---------------|-------------|------------|--------------|-------------|--------------|-------------|-------------|-------------|
| 1  | 26 33              | 2 n 26      | 0 n 52        | 3 n 48      | 1 n 44     | 1 s 30       | 3 s 56      | 18 s 48      | 19 n 3      | 19 s 30     | 21 s 47     |
| 7  | 26 14              | 2 28        | 0 52          | 4 2         | 1 31       | 0 23         | 3 59        | 19 19        | 3 19        | 39 20       | 51 19 13    |
| 13 | 25 54              | 2 30        | 0 53          | 4 14        | 1 16       | 1 18         | 4 1         | 19 16        | 20 21       | 50 17       | 8           |
| 19 | 25 35              | 2 31        | 0 53          | 4 24        | 0 59       | 3 0          | 4 2         | 19 29        | 21 7        | 22 27       | 16 37       |
| 25 | 25 16              | 2 33        | 0 53          | 4 30        | 0 43       | 3 34         | 4 1         | 19 39        | 21 52       | 22 40       | 17 32       |
| M  | ⊕'s longitude.     | ⊕'s declin. | Clock fast. ⊕ | D's longit. | D's latit. | (♀'s declin. | h's long.   | 24's long.   | ♂'s long.   | ♀'s longit. | ♀'s longit. |
| 1  | 10 44 3            | 23 s 2      | 3 57          | 15 h 51     | 0 s 54     | 23 s 25      | 15 41       | 27 11        | 18 4        | 5 20        | 21 19       |
| 2  | 11 45 16           | 22 57       | 4 25          | 27 59       | 0 13       | 20 22        | 15 44       | 27 48        | 17 53       | 6 34        | 0 26        |
| 3  | 12 46 28           | 23 61       | 4 53          | 10 w 17     | 1 21       | 16 23        | 15 46       | 27 50        | 17 41       | 7 48        | 1 49        |
| 4  | 13 47 40           | 22 45       | 5 21          | 22 45       | 2 25       | 11 40        | 15 48       | 28 10        | 17 29       | 9 1         | 2 56        |
| 5  | 14 48 52           | 22 38       | 5 48          | 5 26        | 3 24       | 6 22         | 15 50       | 28 21        | 17 16       | 10 15       | 3 58        |
| ⊖  | 15 50 4            | 22 31       | 6 14          | 18 22       | 4 13       | 0 44         | 15 52       | 28 32        | 17 3        | 11 29       | 4 55        |
| 7  | 16 51 15           | 22 24       | 6 41          | 19 35       | 4 50       | 5 n 4        | 15 54       | 28 43        | 16 50       | 12 42       | 5 46        |
| 8  | 17 52 25           | 22 16       | 7 615         | 7 5         | 12 10      | 10 45        | 15 56       | 28 54        | 16 35       | 13 56       | 6 29        |
| 9  | 18 53 34           | 22 8        | 7 32          | 29 0        | 5 17       | 16 415       | 5 58        | 29 416       | 19 15       | 10 7        | 5 3         |
| 10 | 19 54 43           | 21 59       | 7 56          | 13 8 12     | 5 320      | 37 15        | 59 29       | 15 16        | 3 16        | 24 7        | 27          |
| 11 | 20 55 51           | 21 50 8     | 20 27         | 42 4        | 4 29       | 24 21        | 16 129      | 25 15        | 46 17       | 38 7        | 41          |
| 12 | 21 56 59           | 21 40 8     | 44 12         | 27          | 3 38       | 25 54        | 16 3        | 29 36        | 15 28       | 18 52       | R 43        |
| ⊖  | 22 58 5            | 21 30 9     | 6 27          | 20          | 2 31       | 25 57        | 16 4        | 29 46        | 15 19       | 6 7         | 34          |
| 14 | 23 59 11           | 21 29 9     | 28 12         | 14          | 1 14       | 24 8 16      | 5 29        | 56 14        | 21 50       | 19 7        | 14          |
| 15 | 25 0 17            | 21 9 9      | 50 27         | 1           | 0 s        | 8 20         | 39 16       | 6 0          | 6 14        | 30 22       | 33 6 42     |
| 16 | 26 1 22            | 20 58 10    | 10 10         | 11 34       | 1 28       | 15 56        | 16 7        | 0 16         | 14 10       | 23 47       | 5 57        |
| 17 | 27 2 26            | 20 46 10    | 31 21         | 46          | 2 40       | 10 26        | 16 8        | 0 26         | 13 49       | 25 1        | 5 3         |
| 18 | 28 3 30            | 20 34 10    | 50 9          | 35          | 3 41       | 4 34         | 16 9        | 0 36         | 13 28       | 26 15       | 4 1         |
| 19 | 29 4 33            | 20 22 11    | 9 22          | 58          | 4 28       | 1 s 18       | 16 10       | 0 46         | 13 6        | 27 29       | 2 5         |
| ⊖  | w 0 5 35           | 20 9 11     | 26            | 5 57        | 4 59       | 6 57         | 16 11       | 0 56         | 12 43       | 28 43       | 1 39        |
| 21 | 1 6 37             | 19 56 11    | 44 18         | 33          | 5 15       | 12 8         | 16 11       | 1 5          | 12 20       | 29 57       | 0 23        |
| 22 | 2 7 39             | 19 42 12    | 0 0           | m 51        | 5 16       | 16 43        | 16 11       | 1 15         | 11 57       | 11 29       | 6           |
| 23 | 3 8 40             | 19 29 12    | 16 12         | 55          | 5 320      | 33 16        | 12 1        | 24 11        | 34 2        | 25 27       | 52          |
| 24 | 4 9 41             | 19 14 12    | 31 24         | 50          | 4 37       | 23 29        | 16 12       | 1 34         | 11 11       | 3 39        | 26 42       |
| 25 | 5 10 40            | 19 0 12     | 45 6          | 39          | 4 0 25     | 23 16R 12    | 1 43        | 10 48        | 4 54        | 25          | 36          |
| 26 | 6 11 39            | 18 45 12    | 58 18         | 29          | 3 12       | 26 9         | 16 12       | 1 52         | 10 24       | 6 8         | 24 37       |
| ⊖  | 7 12 38            | 18 29 13    | 10 0          | 12 22       | 2 16       | 25 44        | 16 12       | 2 0          | 10 0        | 7 22        | 23 4        |
| 28 | 8 13 35            | 18 14 13    | 22 12         | 23          | 1 13       | 24 6         | 16 11       | 2 9          | 9 36        | 8 36        | 23 6        |
| 29 | 9 14 32            | 17 58 13    | 33 24         | 33          | 0 n 6      | 21 20        | 16 11       | 2 17         | 9 12        | 9 50        | 22 35       |
| 30 | 10 15 27           | 17 41 13    | 43 6          | w 55        | 1 2 17     | 34 16        | 10 2        | 26 8         | 48 11       | 4 22        | 9           |
| 31 | 11 56 22           | 17 21 13    | 52 19         | 30          | 2 8 12     | 57 16        | 9 2         | 34 8         | 24 12       | 18 21       | 54          |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |       |       | Latitude. |      |      | Declination. |      |      |
|------------|-------|-------|-----------|------|------|--------------|------|------|
| 1st        | 11th  | 21st  | 1st       | 11th | 21st | 1st          | 11th | 21   |
| 20 41      | 20 51 | 20 56 | 0 n 38    | 0 38 | 0 38 | 7 s 30       | 7 34 | 7 36 |

FEBRUARY 1805.

| place of ♀'s node. | ♀'s latit.  | 24's latit.   | ♂'s latit. | ♀'s latit. | ♀'s latit.  | ♀'s declin. | 24's declin. | ♂'s declin. | ♀'s declin. | ♀'s declin. |
|--------------------|-------------|---------------|------------|------------|-------------|-------------|--------------|-------------|-------------|-------------|
| M<br>D longitude.  | ○'s declin. | Clock bef. ○. | ○'s long.  | ○'s latit. | ○'s declin. | ♀'s long.   | 24's long.   | ♂'s long.   | ♀'s long.   | ♀'s long.   |
| 1 24 54            | 2 n 35      | 0 n 54        | 4 n 32     | 0 n 22     | 2 n 45      | 3 s 58      | 19 s 51      | 22 n 40     | 22 s 25     | 18 s 59     |
| 7 24 35            | 2 36        | 0 54          | 4 39       | 0 5        | 1 37        | 3 54        | 20 023       | 13 21       | 45 19       | 50          |
| 13 24 16           | 2 38        | 0 55          | 4 24       | 0 s 12     | 0 30        | 3 49        | 20 723       | 38 20       | 22 20       | 4           |
| 19 23 57           | 2 39        | 0 55          | 4 15       | 0 28       | 0 s 28      | 3 43        | 20 1323      | 53 19       | 17 19       | 35          |
| 25 23 38           | 2 41        | 0 56          | 4 4        | 0 43       | 1 14        | 3 35        | 20 1823      | 59 17       | 33 18       | 20          |
| 1 12 17 15         | 17 s 8      | 14 1          | 2) 19      | 3 n 9      | 7 s 43      | 16 8        | 2 42         | 8 6         | 13 53       | 21 547      |
| 2 13 18 7          | 16 51       | 14 3          | 15 22      | 4 1        | 2 416       | 7 2         | 51           | 7 36        | 14 47       | 21 43       |
| ○ 14 18 57         | 16 33       | 14 15         | 15 28      | 38 4       | 41 3 n 45   | 16 6        | 2 59         | 7 13        | 16 121      | 51          |
| 4 15 19 46         | 16 15       | 14 21         | 12) 7      | 5 7        | 9 30        | 16 5        | 3 7          | 6 50        | 17 1522     | 10          |
| 5 16 20 33         | 15 57       | 14 26         | 25 48      | 5 15       | 14 516      | 4 3         | 15 6         | 27 18       | 30 22       | 33          |
| 6 17 21 19         | 15 39       | 14 30         | 9 8 41     | 5 6        | 19 33       | 16 3        | 3 23         | 6 4         | 19 44       | 22 59       |
| 7 18 22 3          | 15 20       | 14 34         | 23 44      | 4 38       | 23 12       | 16 2        | 3 31         | 5 42        | 20 58       | 23 29       |
| 8 19 22 46         | 15 1        | 14 36         | 7 II 57    | 3 53       | 25 29       | 16 1        | 3 38         | 5 20        | 22 15       | 24 4        |
| 9 20 23 26         | 14 42       | 14 38         | 22 17      | 2 53       | 26 7        | 15 59       | 3 45         | 4 59        | 23 27       | 24 45       |
| ○ 21 24 5          | 14 23       | 14 39         | 6 42       | 1 42       | 24 59       | 15 57       | 3 52         | 4 38        | 14 42       | 25 31       |
| 11 22 24 42        | 14 3        | 14 39         | 21 7       | 0 24       | 22 12       | 15 55       | 3 59         | 4 18        | 25 56       | 26 20       |
| 12 23 25 18        | 13 44       | 14 39         | 5 29       | 0 s 55     | 18 2        | 15 53       | 4 5          | 3 58        | 27 10       | 27 12       |
| 13 24 25 52        | 13 24       | 14 37         | 19 42      | 2 9        | 12 53       | 15 51       | 4 11         | 3 39        | 28 25       | 28 8        |
| 14 25 26 24        | 13 3        | 14 35         | 3 41       | 3 14       | 7 9         | 15 49       | 4 18         | 3 21        | 29 39       | 29 7        |
| 15 26 26 55        | 12 43       | 14 32         | 17 23      | 4 7        | 1 12        | 15 47       | 4 24         | 3 3         | 0 53        | 0 8         |
| 16 27 27 24        | 12 22       | 14 29         | 0 45       | 4 44       | 4 s 38      | 15 45       | 4 30         | 2 46        | 2 8         | 1 12        |
| ○ 28 27 52         | 12 1        | 14 24         | 13 45      | 5 6        | 10 8        | 15 43       | 4 36         | 2 29        | 3 22        | 2 18        |
| 18 29 28 19        | 11 40       | 14 19         | 26 24      | 5 12       | 15 2        | 15 41       | 4 42         | 2 13        | 4 36        | 3 26        |
| 19 0 28 44         | 11 19       | 14 14         | 8 II 45    | 5 3        | 19 13       | 15 38       | 4 48         | 1 58        | 5 51        | 4 36        |
| 20 1 29 8          | 10 57       | 14 7          | 20 51      | 4 41       | 22 39       | 15 36       | 4 54         | 1 44        | 7 5         | 5 48        |
| 21 2 29 30         | 10 36       | 14 0          | 2 47       | 4 7        | 24 46       | 15 33       | 4 59         | 1 31        | 8 19        | 7 2         |
| 22 3 29 51         | 10 14       | 13 53         | 14 37      | 3 22       | 25 56       | 15 30       | 5 4          | 1 18        | 9 34        | 8 18        |
| 23 4 30 10         | 9 52        | 13 44         | 26 26      | 2 29       | 25 54       | 15 27       | 5 9          | 1 6         | 10 48       | 5 36        |
| ○ 5 30 28          | 9 30        | 13 36         | 8 I 21     | 1 30       | 24 42       | 15 24       | 5 14         | 0 55        | 12 2        | 10 55       |
| 25 6 30 45         | 9 8         | 13 26         | 20 25      | 0 25       | 22 29       | 15 21       | 5 19         | 0 44        | 13 17       | 12 15       |
| 26 7 31 0          | 8 46        | 13 16         | 2 42       | 0 n 41     | 18 54       | 15 18       | 5 23         | 0 34        | 14 31       | 13 37       |
| 27 8 31 13         | 8 23        | 13 6          | 15 16      | 1 47       | 14 34       | 15 15       | 5 27         | 0 25        | 15 45       | 15 0        |
| 28 9 31 25         | 8 0         | 12 55         | 18 8       | 2 49       | 9 29        | 15 12       | 5 31         | 0 16        | 16 59       | 16 25       |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |       |       | Latitude. |        |      | Declination. |      |      |
|------------|-------|-------|-----------|--------|------|--------------|------|------|
| 1st        | 11th  | 21st. | 1st       | 11th   | 21st | 1st          | 11th | 21st |
| 20 55      | 20 48 | 20 37 | 0 n 39    | 0 n 39 | 0 39 | 7 s 35       | 7 32 | 7 27 |

MARCH 1805.

| Place of ♀'s node | ☿'s latit.    | ♀'s latit.  | ♂'s latit.  | ♀'s latit.   | ♀'s latit. | ☿'s declin. | ☿'s declin. | ♀'s declin. | ♀'s declin. |
|-------------------|---------------|-------------|-------------|--------------|------------|-------------|-------------|-------------|-------------|
| M D               | ⊕'s longitude | ⊕'s declin. | Clock ft. ⊕ | ⊕'s longt.   | ⊕'s latit. | ⊕'s declin  | ☿'s longt.  | ♀'s longit. | ♀'s longit. |
| 1 23 25           | 2 n 42        | 0 n 56      | 3 n 56      | 0 s 52       | 1 38       | 3 s 29      | 20 s 20     | 23 2 59     | 16 s 12     |
| 7 23 6            | 2 43 0        | 57          | 3 45        | 1 32         | 4 3        | 19 20       | 23 23       | 53          | 13 58       |
| 13 22 47          | 2 44 0        | 57          | 3 31        | 1 13         | 2 14       | 3 9         | 20 25       | 23 40       | 11 31       |
| 19 22 28          | 2 44 0        | 58          | 3 18        | 1 20         | 2 8        | 2 59        | 20 26       | 23 22       | 8 55        |
| 25 22 9           | 2 45 0        | 58          | 3 5         | 1 26         | 1 45       | 2 48        | 20 26       | 23 1        | 6 5 2 20    |
| 1 10 31 34        | 7 s 38        | 12 43       | 11) 18      | 3 n 44       | 3 s 53     | 15 8        | 5 435       | 0 0         | 18 14 17 0  |
| 2 11 31 42        | 7 15 12       | 31 24 46    | 4 27        | 2 n 0        | 15 5       | 5 39        | 0           | 3 19        | 28 19 17    |
| F 12 31 48        | 6 52 12       | 18 80 29    | 4 55        | 7 53         | 15 1       | 5 42        | 20 58       | 20 42       | 20 45       |
| 4 13 31 52        | 6 29 12       | 05 22 24    | 5 7         | 13 28        | 14 58      | 5 46        | 29 53       | 21 57       | 22 15       |
| 5 14 31 54        | 6 6 11        | 51 6 26     | 5 2 18      | 24 14 54     | 5 49       | 29 49       | 23 11 23    | 46          |             |
| 6 15 31 53        | 5 43 11       | 37 20 34    | 4 56 22     | 20 14 51     | 5 53       | 29 45       | 24 25       | 25          | 18          |
| 7 16 31 50        | 5 19 11       | 23 41 42    | 3 14 24     | 56 14 47     | 5 56       | 29 42       | 25 40       | 26          | 50          |
| 8 17 31 45        | 4 59 11       | 08 18 50    | 2 58 25     | 17 14 43     | 5 57       | 29 40       | 26 54       | 28          | 23          |
| 9 18 31 58        | 4 33 10       | 53 25 57    | 1 52 25     | 18 14 39     | 6 1 29     | 39 28       | 8 29        | 58          |             |
| F 19 31 28        | 4 09 10       | 37 17 0     | 0 39 23     | 1 14 35      | 6 4 29     | D 39 29     | 23 13 36    |             |             |
| 10 20 31 17       | 3 46 10       | 21 0 59     | 0 s 36      | 19 22 14 31  | 6 6 29     | 39 0 37     | 3 15        |             |             |
| 11 21 31 2        | 3 22 10       | 05 14 53    | 1 48 14     | 40 14 27     | 6 5 29     | 40 1 51     | 4 54        |             |             |
| 12 22 30 46       | 2 58 9        | 48 28 38    | 2 53 19     | 15 14 23     | 6 1 29     | 42 3 06     | 6 33        |             |             |
| 13 23 30 28       | 2 35 9        | 31 12 14    | 3 48 3      | 28 14 19     | 6 12 29    | 45 4 20     | 8 14        |             |             |
| 14 24 30 7        | 2 11 9        | 14 25 37    | 4 28 2      | 2 s 21 14 15 | 6 13 29    | 48 5 34     | 9 56        |             |             |
| 15 25 29 45       | 1 48 8        | 56 8 45     | 5 53 7      | 58 14 11     | 6 14 29    | 59 6 49     | 11 40       |             |             |
| F 29 29 20        | 1 24 8        | 39 21 37    | 5 3 13      | 7 14         | 6 15 29    | 57 8 8      | 13 29       |             |             |
| 17 27 54          | 1 00 8        | 21 41 12    | 4 58 27     | 36 14 2      | 6 16 0     | 0 02 9      | 17 15       | 19          |             |
| 18 28 26          | 0 36 8        | 3 16 31     | 4 39 21     | 15 13 57     | 6 17 0     | 0 08 10     | 32 16       | 59          |             |
| 20 27 27 56       | 0 13 7        | 45 28 37    | 4 8 23      | 54 13 55     | 6 18 0     | 14 11 46    | 18 48       |             |             |
| 21 28 0 27 24     | 0 n 11 7      | 26 10 32    | 3 26 25     | 27 13 48     | 6 18 0     | 21 13 0     | 20 38       |             |             |
| 2 2 1 26 50       | 0 35 7        | 8 22 22     | 2 35 25     | 50 13 44     | 6 19 0     | 29 14 14    | 22 29       |             |             |
| 23 2 26 16        | 0 58 6        | 49 41 11    | 1 38 25     | 2 13 39      | 6 19 0     | 33 15 28    | 24 21       |             |             |
| 3 25 38           | 1 22 6        | 31 16 5     | 0 36 23     | 6 13 35      | 6 R 19 0   | 46 16 42    | 26 15       |             |             |
| 4 24 59           | 1 45 6        | 12 28 10    | 0 n 28 20   | 6 13 30      | 6 19 0     | 56 17 57    | 28 11       |             |             |
| 26 5 24 18        | 2 9 5         | 54 10 29    | 1 32 16     | 9 13 25      | 6 18 1     | 6 19 11     | 0 0 8       |             |             |
| 27 6 23 36        | 2 32 5        | 35 23 9     | 2 33 11     | 24 13 21     | 6 17 1     | 17 20 25    | 2 6         |             |             |
| 28 7 22 52        | 2 56 5        | 17 6 11     | 3 28 6      | 2 13 16      | 6 16 1     | 28 21 40    | 4 4         |             |             |
| 29 8 22 6         | 3 19 4        | 58 19 37    | 4 13 0      | 14 13 12     | 8 1 1      | 40 22 54    | 6 4         |             |             |
| 30 9 21 18        | 3 43 4        | 40 3 26     | 4 45 5 n 43 | 13 7 6 1     | 1 1        | 52 24 08    | 8 5         |             |             |
| F 10 20 21        | 4 6 4         | 21 17 34    | 5 0 11      | 32 13 3      | 6 1 2      | 5 25 22     | 10 7        |             |             |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |      |       | Latitude. |      |      | Declination. |      |      |
|------------|------|-------|-----------|------|------|--------------|------|------|
| 1st        | 11th | 21st  | 1st       | 11th | 21st | 1st          | 11th | 21st |
| 20 24      | 20 3 | 19 42 | 0 n 39    | 0 39 | 0 39 | 7 s 23       | 7 15 | 7 6  |

## Astronomical Tables.

APRIL 1805.

|    | place of ♀'s node. | ♀'s latit.  | ♀'s latit.    | ♂'s latit.  | ♀'s latit. | ♀'s latit.  | ♀'s declin. | ♀'s declin. | ♂'s declin. | ♀'s declin. | ♀'s declin. |
|----|--------------------|-------------|---------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| M  | ⊕'s longitude.     | ⊕'s declin. | Clock aft. ⊕. | ⊕'s longit. | ⊕'s latit. | ⊕'s declin. | ⊕'s longit. | ♀'s longit. | ♂'s longit. | ♀'s longit. | ♀'s longit. |
| 1  | 21 47              | 2 n 45      | 0 n 59        | 2 n 52      | 1 s 29     | 0 s 55      | 2 s 35      | 20 s 24     | 22 n 28     | 2 s 43      | 3 n 19      |
| 7  | 21 28              | 2 45        | 0 59          | 2 41        | 1 29       | 0 n 5       | 2 25        | 20 21       | 21 55       | 0 n 14      | 9 38        |
| 13 | 21 8               | 2 45        | 1 0           | 2 30        | 1 26       | 1 12        | 2 14        | 20 17       | 21 19       | 3 11        | 14 53       |
| 19 | 20 49              | 2 44        | 1 0           | 2 20        | 1 22       | 2 8         | 2 04        | 26 12       | 20 39       | 6 7         | 19 1        |
| 25 | 20 30              | 2 44        | 1 0           | 2 11        | 1 15       | 2 40        | 1 55        | 20 6        | 19 55       | 8 59        | 21 40       |
| 1  | 21 19 35           | 4 n 29      | 4 - 3         | 18 56       | 4 n 57     | 16 n 48     | 12 58       | 6 411       | 2 218       | 26 37       | 12 8 10     |
| 2  | 12 18 40           | 4 52        | 3 45          | 16 29       | 4 54       | 21 9        | 12 54       | 6 9         | 2 32        | 26 51       | 14 13       |
| 3  | 13 17 44           | 5 15        | 3 26          | 0 II 57     | 3 54       | 24 11       | 12 49       | 6 7         | 2 47        | 29 5        | 16 17       |
| 4  | 14 16 45           | 5 38        | 3 8           | 15 23       | 2 59       | 25 38       | 12 44       | 6 5         | 0 200       | 19 18       | 23          |
| 5  | 15 15 43           | 6 01        | 2 11          | 29 41       | 1 53       | 25 21       | 12 40       | 6 2         | 3 17        | 01 33       | 20 28       |
| 6  | 16 14 40           | 6 24        | 2 33          | 13 48       | 0 41       | 23 26       | 12 35       | 6 0         | 3 33        | 2 48        | 22 33       |
| ○  | 17 13 34           | 6 46        | 2 15          | 27 43       | 0 s 32     | 20 7        | 12 30       | 5 57        | 3 49        | 3 24        | 37          |
| 8  | 18 12 25           | 7 09        | 1 58          | 11 27       | 1 43       | 15 43       | 12 26       | 5 54        | 4 5         | 5 16        | 26 41       |
| 9  | 19 11 15           | 7 31        | 1 41          | 25 0        | 2 47       | 10 35       | 12 21       | 5 51        | 4 22        | 6 30        | 28 44       |
| 10 | 20 10 02           | 7 53        | 1 24          | 8 22        | 3 40       | 5 2         | 12 17       | 5 48        | 4 40        | 7 48        | 0 8 46      |
| 11 | 21 8 46            | 8 16        | 1 8           | 21 34       | 4 21       | 0 s 39      | 12 12       | 5 44        | 4 28        | 8 57        | 3 46        |
| 12 | 22 7 29            | 8 38        | 0 51          | 4 35        | 4 48       | 6 13        | 12 8        | 5 47        | 5 16        | 10 12       | 4 44        |
| 13 | 23 6 10            | 8 59        | 0 35          | 17 24       | 4 59       | 11 26       | 12 3        | 5 37        | 5 35        | 11 26       | 6 40        |
| ○  | 24 4 49            | 9 21        | 0 19          | 30 0        | 4 56       | 16 6        | 11 59       | 5 33        | 5 54        | 12 40       | 8 33        |
| 15 | 25 3 26            | 9 43        | 0 4           | 12 24       | 4 39       | 20 0        | 11 54       | 5 29        | 6 13        | 13 54       | 10 23       |
| 16 | 26 2 10 4          | 0 f. 11     | 24 35         | 4 9 22      | 57 11      | 50 5        | 25 6        | 33 15       | 8 12        | 10 7        |             |
| 17 | 27 0 34 10         | 25 0        | 26 6          | 43 36       | 3 28       | 24 51       | 11 45       | 5 20        | 6 53        | 16 22       | 13 54       |
| 18 | 27 59 5 10         | 46 0        | 40 18         | 30 2        | 38 25      | 36 11       | 41 5        | 16 7        | 13 17       | 36 15       | 34          |
| 19 | 28 57 35 11        | 7 0         | 54 0          | 18 18       | 1 42       | 25 10       | 11 36       | 5 12        | 7 34        | 18 50       | 17 9        |
| 20 | 29 56 3 11         | 28 1        | 7 12          | 7 0         | 41 23      | 36 11       | 32 5        | 6 7         | 55 20       | 4 18        | 40          |
| ○  | 8 0 54 30          | 11 48       | 1 20          | 24 0        | 0 n 22     | 20 59       | 11 28       | 5 1         | 8 17        | 21 18       | 20 7        |
| 22 | 1 52 55            | 12 8        | 1 33          | 6 22        | 0 1        | 25 17       | 24 11       | 23 4        | 56 8        | 39 22       | 32 21       |
| 23 | 2 51 18            | 12 29       | 1 45          | 18 22       | 2 25       | 13 2        | 11 19       | 4 50        | 9 123       | 46 22       | 50          |
| 24 | 3 49 40            | 12 48       | 1 56          | 1 18        | 3 20       | 8 0         | 11 15       | 4 45        | 9 23        | 25 0        | 24 3        |
| 25 | 4 48 1             | 13 8        | 2 14          | 0 4         | 16 2       | 29 11       | 11 4        | 39 9        | 46 26       | 14 25       | 11          |
| 26 | 5 46 20            | 13 28       | 2 18          | 27 37       | 4 41       | 3 n 21      | 11 7        | 4 33        | 10 9        | 27 28       | 26 14       |
| 27 | 6 44 37            | 12 47       | 2 28          | 11 36       | 4 59       | 9 11        | 11 3        | 4 27        | 10 32       | 28 42       | 27 13       |
| ○  | 7 42 52            | 14 6        | 2 38          | 25 59       | 5 0        | 14 42       | 11 0        | 4 21        | 10 56       | 29 56       | 28 8        |
| 29 | 8 41 7             | 14 25       | 2 47          | 10 8 42     | 4 41       | 19 30       | 10 56       | 4 15        | 11 20       | 18 10       | 28 58       |
| 30 | 9 39 19            | 14 43       | 2 55          | 25 35       | 4 3 23     | 7 10        | 52 4        | 9 11        | 44 2        | 24 29       | 40          |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |       |        | Latitude. |      |      | Declination. |      |      |
|------------|-------|--------|-----------|------|------|--------------|------|------|
| 1st        | 11th  | 21st   | 1st       | 11th | 21st | 1st          | 11th | 21st |
| 18 40      | 18 23 | 0 n 39 | 0 39      | 0 39 | 0 39 | 6 s 56       | 6 45 | 6 37 |

MAY 1805.

|        | place of ♀'s node. | ☿'s latit.  | ♀'s latit.   | ♂'s latit. | ♀'s latit. | ☿'s latit.  | ☿'s declin. | ♀'s declin. | ♂'s declin. | ♀'s declin. | ♀'s declin. |
|--------|--------------------|-------------|--------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1      | 20 11              | 2 n 43      | 1 n 0        | 2 n 2      | 1 s 7      | 2 n 37      | 1 s 47      | 20 s 0      | 19 n 7      | 11 n 41     | 22 n 48     |
| 7      | 19 52              | 2 42        | 1 0          | 1 53       | 0 57       | 1 54        | 1 39        | 19 52       | 18 15       | 14 11       | 22 30       |
| 13     | 19 33              | 2 41        | 0 59         | 1 45       | 0 45       | 0 33        | 1 33        | 19 44       | 17 19       | 16 36       | 20 59       |
| 19     | 19 14              | 2 40        | 0 59         | 1 38       | 0 32       | 1 s 11      | 1 28        | 19 36       | 16 20       | 18 42       | 19 39       |
| 25     | 18 55              | 2 39        | 0 58         | 1 30       | 0 19       | 2 45        | 1 25        | 19 27       | 15 17       | 20 30       | 16 25       |
| M<br>D | ⊕'s longitude.     | ⊕'s declin. | Clock aft. ⊕ | ⊕'s long.  | ⊕'s latit. | ⊕'s declin. | ☿'s longit. | ♀'s longit. | ♂'s longit. | ♀'s longit. | ♀'s longit. |
| 1      | 8 10 37 29         | 15 n 2      | 3            | 3 10 II 30 | 3          | 9 25 n 19   | 10 A 49     | 4 A 2       | 12 S 8      | 38 38       | 0 II 19     |
| 2      | 11 35 37           | 15 20       | 3            | 1 25 18    | 2          | 2 25        | 24 10       | 45 3        | 55 12       | 33 4        | 52 0 53     |
| 3      | 12 33 44           | 15 37       | 3 18         | 9 55 54    | 0 47       | 23 53       | 10 41 3     | 49 12       | 58 6        | 6 6         | 1 21        |
| 4      | 13 31 41           | 15 55       | 3 24         | 24 13      | 0 29       | 20 49       | 10 38 3     | 42 13       | 23 7        | 20 1        | 43          |
| F      | 14 29 51           | 16 12       | 3 30         | 8 S 13     | 1 42       | 16 35       | 10 34 3     | 36 13       | 40 8        | 34 2        | 0           |
| 6      | 15 27 52           | 16 29       | 3 36         | 21 55      | 2 47       | 11 35       | 10 39 3     | 29 14       | 14 9        | 48 2        | 12          |
| 7      | 16 25 51           | 16 46       | 3 40         | 5 M 19     | 3 42       | 6 8         | 10 27 3     | 22 14       | 40 11       | 1 2         | 19          |
| 8      | 17 23 48           | 17 3        | 3 45         | 18 28      | 4 24       | 0 31        | 10 24 3     | 15 15       | 6 12        | 15 2        | 21 R 21     |
| 9      | 18 21 43           | 17 19       | 3 46         | 1 A 22     | 4 51       | 5 S 0       | 10 21 3     | 8 15        | 33 13       | 29 2        | 18          |
| 10     | 19 19 37           | 17 35       | 3 52         | 14 4       | 5 4        | 10 13       | 10 18 3     | 1 15        | 59 14       | 42 2        | 10          |
| 11     | 20 17 28           | 17 50       | 3 54         | 26 35      | 5 1        | 14 56       | 10 15 2     | 54 16       | 26 15       | 57 1        | 58          |
| F      | 21 15 19           | 18 6        | 3 56         | 8 M 55     | 4 59       | 18 59       | 10 12 2     | 47 16       | 53 17       | 11 1        | 42          |
| 13     | 22 13 7            | 18 21       | 3 58         | 21 6       | 4 16       | 22 9        | 10 9 2      | 39 17       | 20 18       | 24 1        | 21          |
| 14     | 23 10 54           | 18 35       | 3 59         | 3 A 8      | 3 35       | 24 19       | 10 6 2      | 32 17       | 47 19       | 38 0        | 57          |
| 15     | 24 8 40            | 18 50       | 3 59         | 15 5       | 2 46       | 25 22       | 10 4 2      | 24 18       | 15 22       | 52 0        | 30          |
| 16     | 25 6 25            | 19 4        | 3 59         | 26 53      | 1 49       | 25 15       | 10 1 2      | 17 18       | 43 22       | 6 29        | 8 59        |
| 17     | 26 4 8             | 19 17       | 3 58         | 8 M 40     | 0 48       | 23 58       | 9 59 2      | 9 19        | 11 23       | 20 29       | 27          |
| 18     | 27 1 50            | 19 31       | 3 56         | 20 29      | 0 16       | 21 38       | 9 56 2      | 2 19        | 39 24       | 34 28       | 54          |
| F      | 27 59 31           | 19 44       | 3 54         | 2 A 23     | 1 19       | 18 22       | 9 54 1      | 54 20       | 7 25        | 47 28       | 20          |
| 20     | 28 57 11           | 19 57       | 3 52         | 24 26      | 2 20       | 14 17       | 9 52 1      | 46 20       | 35 27       | 1 27        | 45          |
| 21     | 29 54 51           | 20 f        | 3 40         | 26 44      | 3 16       | 9 33        | 9 50 1      | 39 21       | 4 28        | 15 27       | 11          |
| 22     | II 0 52 29         | 20 21       | 3 45         | 9 S 21     | 4 4        | 19 9        | 48 1        | 31 21       | 33 29       | 29 26       | 38          |
| 23     | 1 50 6             | 20 22       | 3 41         | 22 23      | 4 41       | 1 n 16      | 9 46 1      | 24 22       | 2 0         | II 43       | 26          |
| 24     | 2 47 43            | 20 44       | 3 36         | 5 M 52     | 5 3        | 6 58        | 9 44 1      | 16 22       | 31 1        | 57 25       | 36          |
| 25     | 3 45 19            | 20 56       | 3 30         | 19 40      | 5 9        | 12 31       | 9 42 1      | 8 23        | 0 3         | 10 25       | 9           |
| F      | 4 42 53            | 21 5        | 3 23         | 4 8 14     | 4 56       | 17 35       | 9 40 1      | 0 23        | 30 4        | 24 24       | 45          |
| 27     | 5 40 26            | 21 16       | 3 18         | 19 2       | 4 23       | 21 43       | 9 39 0      | 53 24       | 0 5         | 38 24       | 24          |
| 28     | 6 37 59            | 21 26       | 3 11         | 4 II 6     | 3 32       | 24 27       | 9 57 0      | 45 24       | 30 6        | 52 24       | 6           |
| 29     | 7 35 31            | 21 36       | 3 4 19       | 16 2       | 2 25       | 25 26       | 9 36 0      | 38 25       | 0 8         | 52 23       | 52          |
| 30     | 8 33 1             | 21 45       | 2 56         | 4 E 22     | 1 n 8      | 24 32       | 9 34 0      | 30 25       | 30 9        | 19 23       | 42          |
| 31     | 9 30 31            | 21 54       | 2 48         | 19 13      | 0 s 28     | 21 52       | 9 33 0      | 23 26       | 0 10        | 33 23       | 37          |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |       |       | Latitude. |      |      | Declination. |      |      |
|------------|-------|-------|-----------|------|------|--------------|------|------|
| 1st        | 11th  | 21st  | 1st       | 11th | 21st | 1st          | 11th | 21st |
| 17 59      | 17 38 | 17 20 | 0 n 39    | 0 39 | 0 39 | 6 s 28       | 6 20 | 6 13 |

L L

JUNE 1805.

| place of ☽'s node. | ☽'s latit.     | 24's latit.     | ♂'s latit.   | ♀'s latit.                   | ☿'s latit.   | ☽'s declin. | 24's declin. | ♂'s declin.  | ♀'s declin. | ☿'s declin. |             |
|--------------------|----------------|-----------------|--------------|------------------------------|--------------|-------------|--------------|--------------|-------------|-------------|-------------|
| 1                  | 18 33          | 2 n 37          | 0 n 57       | 1 n 22                       | 0 n -2       | 3 s 50      | 1 22         | 19 s 18      | 13 n 59     | 22 n 11     | 14 n 59     |
| 7                  | 18 14          | 2 36 0          | 57           | 1 16                         | 0 s 12       | 4 6         | 1 31         | 19 9         | 12 48       | 23 14       | 15 10       |
| 15                 | 17 55          | 2 37 0          | 56           | 1 9                          | 0 26         | 3 36        | 1 23         | 19 11        | 34 23       | 51 16       | 28          |
| 19                 | 17 36          | 2 33 0          | 54           | 1 3                          | 0 40         | 2 47        | 1 25         | 18 54        | 10 17       | 24 4        | 18 30       |
| 25                 | 17 17          | 2 32 0          | 53           | 0 57                         | 0 52         | 1 42        | 1 29         | 18 48        | 8 57        | 23 51       | 20 49       |
| M                  | ⊕'s longitude. | ⊕'s declin.     | Clock aft. ⊕ | ⊕'s long.                    | ☽'s latit.   | ☽'s declin. | ☽'s longit.  | 24's longit. | ♂'s longit. | ♀'s longit. | ☿'s longit. |
| 1                  | II 10 27 59    | 22 n 2          | 2 39         | 30 51                        | 1 s 3        | 17 n 50     | 9 33         | 0 15         | 26 31       | 11 II 46    | 23 8 36     |
| F                  | 11 25 26 22    | 11 2 30         | 18 4         | 2 42                         | 12 52        | 9 31        | 0            | 7 27         | 2 13        | 0 23        | 36          |
| 3                  | 12 22 52 22    | 18 2 21         | 1m 53        | 3 41                         | 7 22         | 9 30        | 0            | 0 27         | 23 14       | 14 23       | 44          |
| 4                  | 13 20 16 22    | 25 2 11         | 15 0         | 4 35                         | 1 42         | 9 29        | 29m 53       | 28 4 15      | 27 23       | 0           |             |
| 5                  | 14 17 48 22    | 32 2 1 28       | 24           | 4 56                         | 3 54         | 9 28        | 29 46 28     | 35 16        | 41 24       | 19          |             |
| 6                  | 15 15 2 22 39  | 1 51 11 10      | 5 11         | 9 14                         | 9 27         | 29 39 29    | 6 17         | 55 24        | 40          |             |             |
| 7                  | 16 12 23 22    | 45 1 40 23      | 41           | 5 10 14                      | 0 9          | 27 29 33 29 | 37 19        | 8 25         | 4           |             |             |
| 8                  | 17 9 44 22     | 51 1 29 5 m 59  | 4 56 18      | 11 9                         | 27 29 25     | 0m 8 20     | 22 25        | 33           |             |             |             |
| F                  | 18 7 3 22 56   | I 18 18 7       | 4 27 21      | 32 9                         | 26 29 18 0   | 40 21       | 36 26        | 7            |             |             |             |
| 10                 | 19 4 21 23     | 1 1 6 0 4 7     | 3 48 23      | 55 9                         | 26 29 11 1   | 12 22       | 59 26        | 47           |             |             |             |
| 11                 | 20 1 39 23     | 5 0 55 12 1     | 2 89 25      | 12 9                         | 26 29 4 1    | 44 24       | 3 27         | 30           |             |             |             |
| 12                 | 20 58 66 23    | 9 0 45 23 51    | 2 25         | 21 9 D 26 28                 | 57 2         | 16 25       | 17 28        | 16           |             |             |             |
| 13                 | 21 56 12 23    | 13 0 31 51 30   | 1 0 24       | 20 9 26 28                   | 51 2         | 48 26       | 30 29        | 6            |             |             |             |
| 14                 | 22 53 28 23    | 16 0 18 17 28   | 0 n 5 22     | 14 9 26 28                   | 44 3         | 20 27       | 44 0 II 1    |              |             |             |             |
| 15                 | 23 50 44 23    | 19 0 6 29 19    | 1 10 19      | 10 9 26 28                   | 38 3         | 53 28       | 58 1 0       |              |             |             |             |
| F                  | 24 47 59 23 22 | 0 fa. 7 11 17   | 2 13 15      | 17 9 27 28                   | 32 4 25 0 12 | 2           | 2            |              |             |             |             |
| 17                 | 25 45 13 23    | 24 0 19 23 25   | 3 10 10      | 44 9 27 28                   | 26 4 58 1 26 | 3           | 8            |              |             |             |             |
| 18                 | 26 42 28 23    | 25 0 32 5 45    | 4 6 5        | 42 9 27 28                   | 20 5 30 2 40 | 4           | 17           |              |             |             |             |
| 19                 | 27 39 43 23    | 27 0 45 18 24   | 4 39 0       | 19 9 28 28                   | 14 6 3 3 53  | 5           | 29           |              |             |             |             |
| 20                 | 28 36 57 23    | 27 0 58 1 23    | 5 5 5 n 13   | 9 29 28 9 6 36 5 7           | 6 45         |             |              |              |             |             |             |
| 21                 | 29 34 11 23    | 28 1 11 14 46   | 5 16 10      | 42 9 30 28 3 7               | 9 6 21 8 5   |             |              |              |             |             |             |
| 22                 | 30 31 29 23    | 28 1 24 28 36   | 5 10 15      | 48 9 31 27 58 7 43 7 34      | 9 29         |             |              |              |             |             |             |
| F                  | 1 28 40 23 27  | 1 37 12 8 52    | 4 44 20      | 13 9 32 27 52 8 16 8 48      | 10 56        |             |              |              |             |             |             |
| 24                 | 2 25 54 23     | 27 1 50 27 32   | 2 59 23      | 31 9 33 27 47 8 49 10 3 13   | 26           |             |              |              |             |             |             |
| 25                 | 3 23 9 23      | 25 2 3 12 II 31 | 2 58 25      | 15 9 35 27 42 9 23 11 15 13  | 59           |             |              |              |             |             |             |
| ⊕                  | 4 20 22 23     | 24 2 16 27 41   | 1 43 25      | 9 9 36 27 37 9 57 12 29      | 15 36        |             |              |              |             |             |             |
| 27                 | 5 17 36 23     | 22 2 28 12 52   | 0 20 23      | 11 9 38 27 32 10 31 13 43    | 17 19        |             |              |              |             |             |             |
| 28                 | 6 14 50 23     | 19 2 41 27 55   | 1 s 3 19     | 34 9 39 27 27 11 5 14 56 18  | 59           |             |              |              |             |             |             |
| 29                 | 7 12 42 23     | 16 2 55 12 42   | 2 20 14      | 46 9 41 27 23 11 39 16 10 20 | 45           |             |              |              |             |             |             |
| F                  | 8 9 17 23      | 13 3 5 27 6     | 3 27 9       | 14 9 43 27 18 12 13 17 24 22 | 34           |             |              |              |             |             |             |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |       |       | Latitude. |      |       | Declination. |      |       |
|------------|-------|-------|-----------|------|-------|--------------|------|-------|
| 1st.       | 11th  | 21st. | 1st.      | 11th | 21st. | 1st.         | 11th | 21st. |
| 16 3       | 16 54 | 16 50 | 0 n 38    | 0 38 | 0 38  | 6 s 7        | 6 4  | 6 2   |

JULY 1805.

| place of ♀'s node. | ♀'s latit.     | ♀'s latit.  | ♂'s latit.       | ♀'s latit. | ♀'s latit. | ♀'s declin. | ♀'s declin. | ♂'s declin. | ♀'s declin. | ♀'s declin. |         |
|--------------------|----------------|-------------|------------------|------------|------------|-------------|-------------|-------------|-------------|-------------|---------|
| M<br>D             | ⊕'s longitude. | ⊕'s declin. | Clock<br>bef. ⊕. | ⊕'s long.  | ⊕'s latit. | ⊕'s declin. | ♀'s long.   | ♂'s long.   | ♀'s long.   | ♀'s long.   |         |
| 1                  | 16 57          | 2 n 30      | 0 n 52           | 0 n 52     | 1 n 3      | 0 s 29      | 1 s 33      | 18 s 43     | 7 n 34      | 23 n 13     | 22 n 52 |
| 7                  | 16 38          | 2 29        | 0 50             | 0 46       | 1 13       | 0 38        | 1 41        | 18 40       | 6 9         | 22 10       | 23 57   |
| 13                 | 16 19          | 2 27        | 0 49             | 0 41       | 1 20       | 1 26        | 1 46        | 18 38       | 4 42        | 20 44       | 23 28   |
| 19                 | 16 00          | 2 26        | 0 48             | 0 36       | 1 26       | 1 47        | 1 57        | 18 37       | 3 13        | 18 56       | 21 29   |
| 25                 | 15 41          | 2 24        | 0 46             | 0 31       | 1 29       | 1 43        | 2 7         | 18 38       | 1 42        | 16 50       | 18 20   |
| 6                  | 13 52 31       | 22 44       | 4 12             | 15 11      | 4 39       | 20 51       | 9 55        | 26 56       | 15 38       | 24 47       | 4 24    |
| F                  | 14 49 42       | 22 38       | 4 22             | 27 22      | 4 123      | 20 9        | 58 26       | 52 16       | 13 26       | 0 6         | 29      |
| 8                  | 15 46 54       | 22 32       | 4 31             | 09 5       | 3 14       | 25 2        | 10 026      | 50 16       | 48 27       | 14 8        | 35      |
| 9                  | 16 44 05       | 22 25       | 4 41             | 20 55      | 2 18       | 25 27       | 10 326      | 48 17       | 23 28       | 28 10       | 43      |
| 10                 | 17 41 17       | 22 18       | 4 49             | 02 43      | 1 16       | 24 42       | 10 626      | 45 17       | 58 29       | 41 12       | 53      |
| 11                 | 18 38 28       | 22 10       | 4 58             | 14 32      | 0 11       | 22 51       | 10 826      | 43 18       | 33 0        | 55 15       | 2       |
| 12                 | 19 35 40       | 22 2        | 5 6              | 26 26      | 0 n 55     | 20 0        | 10 1126     | 40 19       | 8 2         | 9 17        | 11      |
| 13                 | 20 32 53       | 21 53       | 5 13             | 8 25       | 1 59       | 16 10       | 14 26       | 38 19       | 44 3        | 22 19       | 19      |
| F                  | 21 30 05       | 21 45       | 5 20             | 20 32      | 2 58       | 11 51       | 10 1726     | 37 20       | 19 4        | 36 21       | 27      |
| 15                 | 22 27 19       | 21 35       | 5 27             | 2 49       | 3 50       | 06 54       | 10 2026     | 35 20       | 55 5        | 50 23       | 35      |
| 16                 | 23 24 33       | 21 26       | 5 33             | 15 19      | 4 32       | 1 33        | 10 2426     | 34 21       | 30 7        | 325 43      |         |
| 17                 | 24 21 44       | 21 16       | 5 38             | 28 4       | 5 1        | 3 n 50      | 10 2726     | 32 22       | 6 8         | 17 27       | 50      |
| 18                 | 25 19 72       | 21 6        | 4 53             | 11 25      | 7 16       | 9 14        | 10 3026     | 31 22       | 41 9        | 31 29       | 55      |
| 19                 | 26 16 19       | 20 55       | 5 48             | 24 28      | 5 14       | 14 21       | 10 3426     | 30 23       | 17 10       | 44 1        | 58      |
| 20                 | 27 18 36       | 20 44       | 5 52             | 8 11       | 4 55       | 18 53       | 10 3326     | 29 23       | 53 11       | 58 3        | 59      |
| F                  | 28 13 54       | 20 33       | 5 56             | 22 15      | 4 18       | 22 30       | 10 4226     | 28 24       | 29 16       | 12 6        | 0       |
| 22                 | 29 8 13        | 20 21       | 5 59             | 6 II 39    | 3 24       | 24 4        | 10 4526     | 28 25       | 5 14        | 25 8        | 0       |
| 23                 | 30 5 33        | 20 0        | 6 1              | 21 22      | 2 15       | 25 26       | 10 4926     | 27 25       | 41 15       | 39 9        | 58      |
| 24                 | 1 2 54         | 19 57       | 6 3              | 6 16       | 0 57       | 24 15       | 10 5226     | 27 26       | 17 16       | 53 11       | 54      |
| 25                 | 2 0 15         | 19 44       | 6 4              | 21 17      | 0 s 25     | 21 21       | 10 5626     | 27 26       | 54 18       | 6 13        | 48      |
| 26                 | 2 56 38        | 19 31       | 6 5              | 6 19       | 1 47       | 17 0        | 11 026      | 28 27       | 30 19       | 20 15       | 40      |
| 27                 | 3 55 19        | 18 6        | 5 21             | 2 3        | 0 11       | 40 11       | 5 26        | 29 28       | 6 20        | 34 17       | 31      |
| F                  | 4 52 25        | 19 4        | 6 4              | 5 30       | 3 59       | 5 48        | 11 9 26     | 30 28       | 43 21       | 47 19       | 21      |
| 29                 | 5 49 49        | 18 50       | 6 3              | 19 35      | 4 42       | 0 s 12      | 11 14 26    | 31 29       | 20 23       | 121 9       |         |
| 30                 | 6 47 24        | 18 36       | 6 2              | 3 15       | 5 7        | 6 0         | 11 18 26    | 32 29       | 57 24       | 15 22       | 55      |
| 31                 | 7 44 40        | 18 21       | 5 59             | 16 27      | 5 16       | 11 20       | 11 23 26    | 33 0        | 1 34 26     | 29 24       | 40      |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |       |       | Latitude. |        |      | Declination. |      |      |
|------------|-------|-------|-----------|--------|------|--------------|------|------|
| 1st        | 11th  | 21st. | 1st       | 11th   | 21st | 1st          | 11th | 21st |
| 16 50      | 16 57 | 17 8  | 0 n 37    | 0 n 37 | 0 36 | 6 s 3        | 6 6  | 6 10 |

AUGUST 1805.

| place of ♀'s node. | ☿'s latit.     | 24's latit. | ♂'s latit.      | ♀'s latit.  | ♀'s latit.    | ☿'s declin. | 24's declin. | ♂'s declin. | ♀'s declin. | ♀'s declin. |           |
|--------------------|----------------|-------------|-----------------|-------------|---------------|-------------|--------------|-------------|-------------|-------------|-----------|
| M<br>D             | ⊕'s longitude. | ⊕'s declin. | Clock<br>bef. ⊕ | ♂'s longit. | ♂'s latit.    | ♀'s declin. | ☿'s long.    | 24's long.  | ♂'s long.   | ♀'s long.   | ♀'s long. |
| 1                  | 15 19          | 2 n 23      | 0 n 45          | 0 n 25      | 1 n 30        | 1 n 13      | 2 s 20       | 18 s 41     | 0 s 5       | 14 n 2      | 13 n 53   |
| 7                  | 15 0           | 2 22        | 0 43            | 9 20        | 1 28          | 0 32        | 2 33         | 18 45       | 1 39        | 11 24       | 9 47      |
| 13                 | 14 41          | 2 21        | 0 42            | 0 16        | 1 24          | 0 19        | 2 46         | 18 51       | 3 12        | 8 35        | 5 41      |
| 19                 | 14 22          | 2 20        | 0 40            | 0 11        | 1 16          | 1 15        | 3 0 18       | 57          | 4 46        | 5 38        | 1 49      |
| 25                 | 14 3           | 2 19        | 0 39            | 0 7         | 1 07          | 2 13        | 3 14         | 19 5        | 6 20        | 2 35        | 1 s 38    |
|                    |                |             |                 |             |               |             |              |             |             |             |           |
| F                  | 8 42           | 6 18 n 5    | 5 56            | 20 △ 16     | 5 s 8 16 s 1  | 11 △ 27     | 26 m 34      | 1 △ 11      | 26 0 42     | 26 0 23     |           |
| 2                  | 9 39           | 33 17 51    | 5 53            | 11 m 43     | 4 45 19 53    | 11 31       | 26 35        | 1 48        | 27 56 23    | 6           |           |
| 3                  | 10 37          | 1 17 35     | 5 49            | 23 54       | 4 10 22       | 11 36       | 26 37        | 2 25        | 29 09 29    | 46          |           |
| F                  | 11 34          | 29 17 20    | 5 44            | 5 45 2      | 3 25 24       | 11 41       | 26 39        | 3 2         | 20 m 01 23  | 01 m 22     |           |
| 5                  | 12 31          | 58 17 3     | 5 38            | 17 43       | 2 32 25       | 25 11       | 46 26        | 41 3        | 40 1        | 36 02       | 57        |
|                    |                |             |                 |             |               |             |              |             |             |             |           |
| 6                  | 13 29          | 28 16 47    | 5 32            | 29 31       | 1 32 25       | 0 11        | 51 26        | 43 4        | 17 2        | 50 4        | 32        |
| 7                  | 14 26          | 59 16 31    | 5 26            | 11 m 20     | 0 28 23       | 27 11       | 56 26        | 45 4        | 55 4        | 03 6        | 6         |
| 8                  | 15 24          | 30 16 14    | 5 19            | 23 13       | 0 n 37 20     | 51 12       | 1 26         | 47 5        | 32 5        | 17 7        | 38        |
| 9                  | 16 22          | 5 15 57     | 5 11            | 5 m 14      | 1 41 17       | 21 12       | 6 26         | 50 6        | 10 6        | 30 9        | 8         |
| 10                 | 17 19          | 37 15 39    | 5 2             | 17 24       | 2 42 13       | 4 12        | 11 26        | 53 6        | 47 7        | 44 10       | 35        |
|                    |                |             |                 |             |               |             |              |             |             |             |           |
| F                  | 18 17          | 12 15 22    | 4 53            | 20 45       | 3 35 8        | 13 12       | 16 26        | 56 7        | 25 8        | 57 12       | 1         |
| 12                 | 19 14          | 48 15 4     | 4 44            | 12 m 19     | 4 19 2        | 57 12       | 21 26        | 59 8        | 3 10        | 11 13       | 26        |
| 13                 | 20 12          | 26 14 46    | 4 34            | 25 6        | 4 51 2 n 30   | 12 27       | 27 3         | 8 41        | 11 24       | 14 50       |           |
| 14                 | 21 10          | 4 14 27     | 4 23            | 8 m 5       | 5 8 7         | 56 12       | 32 27        | 7 9         | 15 12       | 37 16       | 12        |
| 15                 | 22 7           | 45 14 09    | 4 12            | 21 19       | 5 10 13       | 06 12       | 38 27        | 11 9        | 57 13       | 51 17       | 52        |
|                    |                |             |                 |             |               |             |              |             |             |             |           |
| 16                 | 23 5           | 27 13 50    | 4 0             | 48 47       | 4 55 17       | 45 12       | 43 27        | 15 10       | 35 15       | 418         | 49        |
| 17                 | 24 3           | 11 13 31    | 3 48            | 18 28       | 4 23 21       | 33 12       | 49 27        | 19 11       | 13 16       | 17 20       | 05        |
| F                  | 25 0           | 56 13 12    | 3 36            | 2 II 24     | 3 35 24       | 10 12       | 54 27        | 22 11       | 51 17       | 31 21       | 19        |
| 19                 | 25 58          | 44 12 52    | 3 22            | 16 35       | 2 33 25       | 19 13       | 0 27         | 27 12       | 30 18       | 44 22       | 32        |
| 20                 | 26 56          | 33 12 33    | 3 9             | 9 05        | 57 1 20 24    | 48 13       | 5 27         | 32 13       | 8 19        | 58 23       | 49        |
|                    |                |             |                 |             |               |             |              |             |             |             |           |
| 21                 | 27 54          | 23 12 13    | 2 55            | 15 30       | 0 2 22        | 36 13       | 11 27        | 37 13       | 47 21       | 11 24       | 51        |
| 22                 | 28 52          | 15 11 53    | 2 40            | 0 08        | 1 s 17 18     | 54 13       | 16 27        | 42 14       | 25 22       | 25 25       | 57        |
| 23                 | 29 50          | 10 11 32    | 2 25            | 14 47       | 2 30 14       | 1 13        | 22 27        | 47 15       | 423         | 38 27       | 00        |
| 24                 | m 0 48         | 5 11 12     | 2 10            | 29 20       | 3 33 8        | 23 13       | 28 27        | 52 15       | 43 24       | 52 28       | 01        |
| F                  | 1 46           | 2 10 51     | 1 54            | 13 m 40     | 4 22 2 24     | 13 13       | 34 27        | 58 16       | 22 26       | 05 28       | 59        |
|                    |                |             |                 |             |               |             |              |             |             |             |           |
| 26                 | 2 44           | 1 10 31     | 1 38            | 27 41       | 4 53 3 s 31   | 13 13       | 40 28        | 4 17        | 127 18      | 29          | 55        |
| 27                 | 3 42           | 1 10 10     | 1 21            | 11 △ 20     | 5 7 9         | 12 13       | 47 28        | 10 17       | 40 28       | 32          | 0 △ 48    |
| 28                 | 4 40           | 3 9 49      | 1 42            | 24 34       | 5 4 14 14 13  | 53 28       | 16 18        | 19 29       | 45 1        | 38          |           |
| 29                 | 5 38           | 6 9 27      | 0 47            | 7 m 24      | 4 17 18 29 14 | 00 28       | 22 18        | 58 0 △ 58   | 2 23        |             |           |
| 30                 | 6 36           | 10 9 6      | 0 29            | 19 52       | 3 14 21 46 14 | 06 28       | 28 19        | 37 2 12 3   | 6           |             | 6         |
| 31                 | 7 34           | 16 8 44     | 0 11            | 2 40 3      | 3 31 24 02 14 | 13 28       | 34 22 16 3   | 25 3 46     |             |             |           |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |       |       | Latitude. |       |       | Declination. |       |       |
|------------|-------|-------|-----------|-------|-------|--------------|-------|-------|
| 1st.       | 11th. | 21st. | 1st.      | 11th. | 21st. | 1st.         | 11th. | 21st. |
| 17 △ 26    | 17 47 | 18 12 | 0 n 36    | 0 36  | 0 35  | 6 s 18       | 6 26  | 6 36  |

SEPTEMBER 1805.

| place of ♀'s node.   | ♀'s latit.  | ♀'s latit.   | ♂'s latit.  | ♀'s latit.  | ♀'s latit.  | ♀'s declin. | ♀'s declin. | ♂'s declin. | ♀'s declin. | ♀'s declin. |
|----------------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| M<br>D<br>longitude. | ○'s declin. | Clock aft. ○ | ○'s longit. | ○'s longit. | ○'s declin. | ♀'s longit. | ♀'s longit. | ♂'s longit. | ♀'s longit. | ♀'s longit. |
| 1 13 40              | 2 n 18      | 0 n 38       | 0 n 2       | 0 n 54      | 3 s 17      | 3 s 32      | 19 s 16     | 8 s 9       | 1 s 1       | 4 s 45      |
| 7 13 21              | 2 17        | 0 37         | 0 s 3       | 0 40        | 3 58        | 3 48        | 19 26       | 9 41        | 4 8         | 6 7         |
| 13 13 2              | 2 17        | 0 35         | 0 7         | 0 24        | 4 6         | 4 31        | 19 38       | 11 12       | 7 11        | 5 35        |
| 19 12 43             | 2 16        | 0 34         | 0 11        | 0 7         | 3 15        | 4 20        | 19 49       | 12 40       | 10 8        | 2 42        |
| 25 12 24             | 2 16        | 0 33         | 0 15        | 0 s 11      | 1 27        | 4 37        | 20 2        | 12 14       | 6 12        | 59 1 n 20   |
| ○ 8 32 23            | 8 n 23      | 0 7 14       | 2 2         | 2 s 41      | 25 s 9      | 14 n 20     | 29 II 41    | 20 A 55     | 4 n 38      | 4 n 22      |
| 2 9 30 32            | 8 1         | 0 26         | 25 52       | 1 42        | 25 6        | 14 26       | 28 47       | 21 34       | 5 52        | 4 57        |
| 3 10 28 42           | 7 39        | 0 45         | 7 I 40      | 0 40        | 23 55       | 14 33       | 28 54       | 22 14       | 7 5         | 5 24        |
| 4 11 26 53           | 7 17        | 1 41         | 19 31       | 0 n 23      | 21 39       | 14 39       | 29 1        | 22 53       | 8 18        | 5 42        |
| 5 12 25 6            | 6 54        | 1 24         | 1 n 28      | 1 27        | 18 27       | 14 46       | 29 8        | 23 33       | 9 32        | 5 56        |
| 6 13 23 20           | 6 32        | 1 44         | 13 37       | 2 26        | 14 25       | 14 52       | 29 15       | 24 13       | 10 45       | 6 7         |
| 7 14 21 37           | 6 10        | 2 42         | 25 59       | 3 21        | 9 43        | 14 59       | 29 29       | 24 53       | 11 58       | 6 R 16      |
| ○ 15 19 55           | 5 47        | 2 24         | 8 II 36     | 4 6         | 4 33        | 15 6        | 29 29       | 25 33       | 13 11       | 6 16        |
| 9 16 18 14           | 5 25        | 2 45         | 21 39       | 4 39        | 0 n 15      | 15 12       | 29 37       | 26 13       | 14 25       | 6 10        |
| 10 17 16 16          | 5 2         | 3 5          | 4 n 38      | 4 59        | 6 29        | 15 19       | 29 45       | 26 53       | 15 37       | 5 56        |
| 11 18 14 59          | 4 39        | 3 26         | 18 1        | 5 3         | 11 44       | 15 25       | 29 53       | 27 33       | 16 50       | 5 36        |
| 12 19 13 25          | 4 16        | 3 47         | 18 34       | 4 50        | 16 33       | 15 32       | 0 1         | 28 13       | 18 3        | 5 9         |
| 13 20 11 52          | 3 53        | 4 7          | 15 18       | 4 20        | 20 35       | 15 39       | 0 9         | 28 53       | 19 16       | 4 35        |
| 14 21 10 22          | 3 30        | 4 28         | 29 10       | 3 35        | 23 29       | 15 46       | 0 17        | 29 33       | 20 29       | 3 55        |
| ○ 22 8 54            | 3 7         | 4 49         | 13 II 8     | 2 36        | 24 59       | 15 53       | 0 26        | 0 II 14     | 21 42       | 3 9         |
| 16 23 7 29           | 2 44        | 5 11         | 27 12       | 1 28        | 24 54       | 16 0        | 0 34        | 0 54        | 22 55       | 2 17        |
| 17 24 6 5            | 2 21        | 5 32         | 11 n 20     | 0 14        | 23 13       | 16 7        | 0 43        | 1 34        | 24 8        | 1 21        |
| 18 25 4 44           | 1 57        | 5 53         | 25 33       | 1 s 1       | 20 3 16     | 14 0        | 52          | 2 14        | 25 21       | 0 21        |
| 19 26 3 25           | 1 34        | 6 14         | 9 II 47     | 2 13        | 15 41       | 16 21       | 1 1         | 2 55        | 26 34       | 29 II 16    |
| 20 27 2 8            | 1 11        | 6 34         | 24 0        | 3 16        | 10 27       | 16 28       | 1 10        | 3 36        | 27 47       | 28 11       |
| 21 28 0 54           | 0 47        | 6 55         | 8 II 9      | 4 6         | 4 43        | 16 35       | 1 19        | 4 17        | 29 0        | 27 6        |
| ○ 28 59 42           | 0 24        | 7 16         | 22 9        | 4 41        | 1 s 11      | 16 42       | 1 28        | 4 58        | 0 II 13     | 26 2        |
| 23 29 58 31          | 0 1         | 7 37         | 5 n 54      | 4 59        | 6 55        | 16 49       | 1 37        | 5 39        | 1 26        | 25 2        |
| 24 0 57 23           | 0 s 23      | 7 57         | 19 22       | 5 0 12      | 12 16       | 16 56       | 1 46        | 6 20        | 2 39        | 24 8        |
| 25 1 56 16           | 0 46        | 8 18         | 2 II 29     | 4 44        | 16 47       | 17 3        | 1 56        | 7 1         | 3 51        | 23 19       |
| 26 2 55 12           | 1 10        | 8 38         | 15 16       | 4 15        | 20 29       | 17 10       | 2 6         | 7 42        | 5 4         | 22 39       |
| 27 3 54 10           | 1 33        | 8 58         | 27 43       | 3 34        | 23 8        | 17 17       | 2 16        | 8 23        | 6 17        | 21 8        |
| 28 4 53 9            | 1 57        | 9 18         | 9 II 53     | 2 44        | 24 30       | 17 24       | 2 26        | 9 4         | 7 30        | 21 45       |
| ○ 5 52 11            | 2 20        | 9 37         | 21 51       | 1 47        | 25 0 17     | 31 3        | 2 36        | 9 46        | 8 42        | 21 D 32     |
| 30 6 51 13           | 2 43        | 9 57         | 3 II 41     | 0 47        | 24 11       | 17 38       | 2 46        | 10 27       | 9 55        | 21 32       |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |       |       | Latitude. |      |      | Declination. |      |      |
|------------|-------|-------|-----------|------|------|--------------|------|------|
| 1st        | 11th  | 21st  | 1st.      | 11th | 21st | 1st          | 11th | 21st |
| 18 45      | 19 17 | 19 52 | 0 n 35    | 0 35 | 0 35 | 6 s 49       | 7 1  | 7 15 |

OCTOBER 1805.

| place of ♀'s node.   | ☿'s latit.  | ♃'s latit.      | ♂'s latit.  | ♀'s latit. | ☿'s latit.  | ☿'s declin. | ♃'s declin. | ♂'s declin. | ♀'s declin. | ♀'s declin. |    |
|----------------------|-------------|-----------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|----|
| M<br>D<br>longitude. | ⊕'s declin. | Clock<br>aft. ⊕ | ⊕'s longit. | ⊕'s latit. | ⊕'s declin. | ☿'s long.   | ♃'s long.   | ♂'s long.   | ♀'s longit. | ♀'s longit. |    |
| 1 12 5               | 2 n 16      | 0 n 32          | 0 s 19      | 0 s 30     | 0 n 26      | 4 s 53      | 20 n 15     | 15 s 29     | 15 s 39     | 3 n 42      |    |
| 7 11 46              | 2 16        | 0 31            | 0 22        | 0 49       | 1 37        | 5 10        | 20 27       | 16 47       | 18 6        | 3 8         |    |
| 13 11 27             | 2 16        | 0 31            | 0 26        | 1 7        | 2 0         | 5 26        | 20 40       | 18 32       | 20 17       | 0 s 16      |    |
| 19 11 8              | 2 16        | 0 30            | 0 29        | 1 25       | 1 51        | 5 43        | 20 54       | 19 13       | 22 9        | 3 42        |    |
| 25 10 49             | 2 16        | 0 29            | 0 33        | 1 42       | 1 23        | 5 59        | 21 6        | 20 17       | 23 41       | 7 58        |    |
| ⊖                    |             |                 |             |            |             |             |             |             |             |             |    |
| 1 Δ 7 50 17          | 3 s 7       | 10 16           | 15 29       | 0 n 16     | 22 s 18     | 17 Δ 46     | 2 456       | 11 m 9      | 11 m 8      | 21 m 41     |    |
| 2 8 49 23            | 3 30        | 10 35           | 27 20       | 1 18       | 19 26       | 17 53       | 3 6         | 11 50       | 12 22       | 21 56       |    |
| 3 9 48 31            | 3 55        | 10 53           | 9 20        | 2 17       | 15 44       | 18 0        | 3 3         | 17 12       | 13 33       | 22 25       |    |
| 4 10 47 41           | 4 17        | 11 12           | 21 33       | 3 11       | 11 19       | 18 8        | 3 27        | 13 13       | 14 14       | 23 7        |    |
| 5 11 46 53           | 4 40        | 11 30           | 43 3        | 3 57       | 6 21        | 18 15       | 3 38        | 13 55       | 15 58       | 23 57       |    |
| ⊕                    | 12 46 7     | 5 311           | 47 16       | 54 4       | 32 1        | 0 18        | 22 3        | 48 14       | 37 17       | 11 24       | 52 |
| 7 13 45 22           | 5 26        | 12 5            | 0 0         | 4 4        | 54 4        | 4 n 31      | 18 30       | 3 59        | 15 19       | 18 23       | 25 |
| 8 14 44 39           | 5 49        | 12 21           | 13 35       | 5 0        | 9 58        | 18 37       | 4 10        | 16 1        | 19 1        | 36 26       | 58 |
| 9 15 43 59           | 6 12        | 12 38           | 27 3        | 4 49       | 15 218      | 4 44        | 4 21        | 16 43       | 20 48       | 28 13       |    |
| 10 16 43 21          | 6 35        | 12 51           | 11 8 22     | 4 21       | 19 23       | 18 52       | 4 32        | 17 25       | 22 1        | 29 35       |    |
| 11 17 42 44          | 6 57        | 13 9 25         | 31 3        | 36 22      | 40 18       | 59 4        | 43 18       | 7 23        | 13 1        | Δ 0         |    |
| 12 18 42 11          | 7 20 13     | 24 9 143        | 2 38        | 24 32      | 19 32       | 19 6        | 4 54        | 18 49       | 24 26       | 2 28        |    |
| ⊕ 19 41 39           | 7 43        | 13 39           | 23 56       | 1 29       | 24 49       | 19 14       | 5 5         | 19 5        | 32 35       | 38 3 58     |    |
| 14 20 41 10          | 8 5         | 13 53           | 8 6         | 0 15       | 23 28       | 19 21       | 5 16        | 20 14       | 26 51       | 5 31        |    |
| 15 21 40 43          | 8 27        | 14 6 22         | 12 0 s 59   | 20 40      | 19 28       | 5 28        | 20 57       | 28 3        | 7           | 0           |    |
| 16 22 40 19          | 8 50        | 14 19           | 16 2        | 9 16       | 39 19       | 36 5        | 39 21       | 29 15       | 8 44        |             |    |
| 17 23 39 57          | 9 12        | 14 31           | 20 11       | 3 12       | 11 44       | 19 43       | 5 51        | 22 27       | 10 1        | 23          |    |
| 18 24 39 37          | 9 34        | 14 43           | 47 1        | 4 2        | 6 17        | 19 50       | 6 2,23      | 4 1         | 30 12       | 2           |    |
| 19 25 39 20          | 9 56        | 14 54           | 17 45       | 4 38       | 0 35        | 19 58       | 6 14        | 23 47       | 2 51        | 13 42       |    |
| ⊕ 26 38 5            | 10 17       | 15 4            | 1 18        | 4 58       | 5 s 4       | 20 5        | 6 26        | 24 29       | 4 3         | 15 23       |    |
| 21 27 38 52          | 10 39       | 15 14           | 40 5        | 1 10       | 24 20       | 12 6        | 38 25       | 12 5        | 15 17       | 4           |    |
| 22 28 38 41          | 11 0        | 15 23           | 27 49       | 4 48       | 15 11       | 20 6        | 50 25       | 55 6        | 27 18       | 45          |    |
| 23 29 38 32          | 11 21       | 15 31           | 10 m 41     | 4 20       | 19 10       | 20 27       | 7 2,26      | 38 7        | 39 20       | 27          |    |
| 24 Δ 0 38 25         | 11 43       | 15 39           | 23 17       | 3 40       | 22 10       | 20 34       | 7 14        | 27 21       | 8 52        | 22 8        |    |
| 25 1 38 20           | 12 3        | 15 46           | 5 38        | 2 50       | 24 4        | 20 42       | 7 26        | 28 4        | 10 42       | 3 49        |    |
| 26 2 38 17           | 12 24       | 15 52           | 17 45       | 1 54       | 24 47       | 20 49       | 7 38        | 28 47       | 11 16       | 25 30       |    |
| ⊕ 3 38 15            | 12 45       | 15 57           | 29 40       | 0 53       | 24 20       | 20 56       | 7 50        | 29 30       | 12 28       | 27 10       |    |
| 28 4 38 16           | 13 5        | 16 211          | 12 29       | 0 n 10     | 22 48       | 21 4        | 8 2         | 14 13       | 40 40       | 28 50       |    |
| 29 5 38 18           | 13 25       | 16 6 23         | 16 1        | 13 20      | 21 16       | 11 8        | 14 0        | 57 14       | 14 51       | 0 m 30      |    |
| 30 6 38 22           | 13 45       | 16 10           | 5 6         | 2 12       | 16 52       | 21 18       | 8 27        | 1 41        | 16 3        | 2 10        |    |
| 31 7 38 27           | 14 4        | 16 12           | 17 5        | 3 7        | 12 46       | 21 25       | 8 39        | 2 24        | 17 15       | 3 49        |    |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |      |       | Latitude. |      |      | Declination. |      |      |
|------------|------|-------|-----------|------|------|--------------|------|------|
| 1st        | 11th | 21st  | 1st       | 11th | 21st | 1st          | 11th | 21st |
| 20 29      | 21 5 | 21 44 | 0 n 35    | 0 34 | 0 34 | 7 s 29       | 7 42 | 7 57 |

NOVEMBER 1805.

| place of ♀'s node. | ♀'s latit.  | ♀'s latit.  | ♂'s latit.   | ♂'s latit.  | ♀'s latit. | ♀'s latit.  | ♀'s declin. | ♀'s declin. | ♂'s declin. | ♂'s declin. | ♀'s declin. | ♀'s declin. |
|--------------------|-------------|-------------|--------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| M<br>D             | ⊕'s longit. | ⊕'s declin. | Clock aft. ⊕ | ⊕'s longit. | ⊕'s latit. | ⊕'s declin. | ♀'s longit. | ♀'s longit. | ♂'s longit. | ♂'s longit. | ♀'s longit. | ♀'s longit. |
| 1 10 27            | 2 n 17      | 0 n 28      | 0 s 37       | 1 s 59      | 0 n 40     | 6 s 18      | 21 s 21     | 21 s 24     | 24 s 57     | 12 s 44     |             |             |
| 7 10 8             | 2 19        | 0 27        | 0 40         | 2 12        | 0 s 1      | 6           | 33 21       | 33 22       | 14 25       | 35 16       | 26          |             |
| 13 9 49            | 2 18        | 0 27        | 0 43         | 2 22        | 0 40       | 6           | 48 21       | 44 22       | 57 25       | 48 19       | 37          |             |
| 19 9 30            | 2 18        | 0 26        | 0 46         | 2 28        | 1 16       | 7           | 1 21        | 56 23       | 32 25       | 35 22       | 14          |             |
| 25 9 10            | 2 19        | 0 25        | 0 48         | 2 31        | 1 47       | 7           | 15 22       | 6 23        | 57 24       | 55 24       | 12          |             |
| 1 11 8 38 34       | 14 s 24     | 16 14       | 29 28 18     | 3 n 54      | 8 s 4      | 21 32       | 8 52        | 3 4         | 8 18 4 26   | 5 11 28     |             |             |
| 2 9 38 42          | 14 43       | 16 15       | 11 50        | 4 31        | 2 57       | 21 39       | 9           | 4           | 3 52        | 19 38       | 7 6         |             |
| ⊕ 10 38 52         | 15 2        | 16 15       | 24 45        | 4 56        | 2 n 26     | 21 42       | 9           | 17          | 4 35        | 20 49       | 8 44        |             |
| 4 11 39 4 15       | 21 16       | 15 8 5      | 5 5          | 7 53        | 21         | 53          | 9 39        | 5           | 19 22       | 1 10        | 21          |             |
| 5 12 39 17         | 15 39       | 16 13       | 21 49        | 4 58        | 13         | 7 22        | 0           | 9 42        | 6 223       | 12 11       | 59          |             |
| 6 13 39 32         | 15 57       | 16 11       | 5 55         | 4 33        | 17         | 48 22       | 2           | 9 55        | 6 46        | 24 23       | 13 36       |             |
| 7 14 39 46         | 16 15       | 16 8        | 20 19        | 3 49        | 21         | 31 22       | 14 10       | 8 7         | 30 25       | 34 15       | 19          |             |
| 8 15 40 7          | 16 33       | 16 4        | 4 11 54      | 2 51        | 23         | 56 22       | 21 10       | 21 8        | 14 26       | 45 16       | 48          |             |
| 9 16 40 27         | 16 50       | 15 59       | 19 34        | 1 40        | 24         | 43 22       | 28 10       | 34 8        | 58 27       | 56 18       | 24          |             |
| ⊕ 17 40 50         | 17 7        | 15 54       | 4 11 11      | 0 23        | 23         | 47 22       | 35 10       | 47 9 42 29  | 7 19        | 59          |             |             |
| 11 18 41 14        | 17 24       | 15 47       | 18 40        | 0 s 55      | 21         | 15 22       | 42 11       | 0 10        | 26 0 18     | 21 34       |             |             |
| 12 19 41 40        | 17 41       | 15 40       | 2 59         | 2 8         | 17         | 29 22       | 49 11       | 13 11       | 10 1 29     | 23          | 9           |             |
| 13 20 42 8         | 17 57       | 15 32       | 17 4         | 3 13        | 12         | 40 22       | 55 11       | 26 11       | 55 2 40     | 24          | 43          |             |
| 14 21 42 38        | 18 13       | 15 23       | 0 11 55      | 4 5         | 7          | 21 23       | 2 11        | 39 12       | 39 3 50     | 26          | 17          |             |
| 15 22 43 10        | 18 28       | 15 13       | 14 33        | 4 43        | 1          | 45 23       | 9 11        | 52 13       | 24 5 1 27   | 51          |             |             |
| 16 23 43 43        | 18 43       | 15 27       | 57           | 5 4         | 3 s 50     | 23 15       | 12 5 14     | 8 6         | 11 29       | 25          |             |             |
| ⊕ 24 44 19         | 18 51       | 14 50       | 11 8         | 5 9         | 9          | 8 23        | 22 12       | 18 14       | 53 7 22     | 0 1 59      |             |             |
| 18 25 44 57        | 19 13       | 14 38       | 24 7         | 4 57        | 13         | 58 23       | 29 12       | 31 15       | 37 8 32     | 2 32        |             |             |
| 19 26 45 36        | 19 23       | 14 24       | 6 m 53       | 4 31        | 18         | 5 23        | 35 12       | 45 16       | 22 9 42     | 4 5         |             |             |
| 20 27 46 16        | 19 41       | 14 10       | 19 25        | 3           | 53         | 21          | 20 23       | 42 12       | 58 17 6 10  | 53 5        | 38          |             |
| 21 28 46 59        | 19 55       | 13 55       | 1 48         | 3           | 3 23       | 32 23       | 48 13       | 12 17       | 51 12 3     | 7 11        |             |             |
| 22 29 47 43        | 20 8        | 13 39       | 13 58        | 2           | 6 24       | 35 23       | 55 13       | 25 18       | 36 13 13    | 8 44        |             |             |
| 23 1 48 27         | 20 20       | 13 23       | 25 58        | 1           | 4 24       | 28 24       | 1 13        | 39 19       | 21 14       | 23 10       | 17          |             |
| ⊕ 1 49 14 20       | 23 33       | 13 5        | 7 50         | 0 n         | 1 23       | 13 24       | 8 13        | 52 20       | 6 15 33     | 11 49       |             |             |
| 25 2 50 2 20       | 45 12       | 47 19       | 38 1         | 5 20        | 53         | 24 14       | 14 6        | 20 51       | 16 43       | 13 21       |             |             |
| 26 3 50 50         | 20 56       | 12 28       | 1 24         | 2           | 6 17       | 49 24       | 20 14       | 19 21       | 36 17       | 53 14       | 53          |             |
| 27 4 51 40         | 21 8        | 12 9        | 13 13        | 3           | 2 13       | 57 24       | 26 14       | 33 22       | 21 19       | 2 16        | 25          |             |
| 28 5 52 30         | 21 19       | 11 49       | 25 11        | 3           | 51 9       | 31 24       | 32 14       | 46 23       | 6 20        | 12 17       | 56          |             |
| 29 6 53 22         | 21 29       | 11 28       | 7 21         | 4           | 31 4       | 37 24       | 38 15       | 0 23        | 51 21       | 21 19       | 26          |             |
| 30 7 54 14         | 21 39       | 11 6        | 19 50        | 4           | 55         | 0 n 33      | 24 44       | 15 13       | 24 36 22    | 3 20        | 59          |             |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |      |       | Latitude. |      |      | Declination. |      |      |
|------------|------|-------|-----------|------|------|--------------|------|------|
| 1st.       | 11th | 21st  | 1st.      | 11th | 21st | 1st.         | 11th | 21st |
| 22 24      | 23 0 | 23 34 | 0 n 34    | 0 34 | 0 35 | 8 s 12       | 8 25 | 8 38 |

DECEMBER 1805.

| Place of $\mathbb{D}$ 's node. | $\mathbb{D}$ 's latit. | $\mathbb{D}$ 's declin. | $\mathbb{D}$ 's longit. | $\mathbb{D}$ 's latit. | $\mathbb{D}$ 's declin. | $\mathbb{D}$ 's longit. | $\mathbb{D}$ 's latit. | $\mathbb{D}$ 's declin. | $\mathbb{D}$ 's longit. | $\mathbb{D}$ 's latit.  | $\mathbb{D}$ 's declin. | $\mathbb{D}$ 's longit. |
|--------------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1                              | 8 51                   | 2 n 29                  | 0 n 25                  | 0 n 51                 | 2 s 31                  | 2 s 9                   | 7 s 28                 | 22 s 15                 | 24 s 14                 | 23 s 51                 | 25 s 24                 |                         |
| 7                              | 8 32                   | 2 21                    | 0 24                    | 0 53                   | 2 25                    | 2 19                    | 7 39                   | 22 24                   | 21 22                   | 25 25                   | 47                      |                         |
| 13                             | 8 13                   | 2 22                    | 0 24                    | 0 55                   | 2 15                    | 2 11                    | 7 50                   | 22 33                   | 18 20                   | 39 25                   | 16                      |                         |
| 19                             | 7 54                   | 2 23                    | 0 23                    | 0 57                   | 2 0                     | 1 36                    | 7 59                   | 22 40                   | 6 18                    | 35 23                   | 57                      |                         |
| 25                             | 7 35                   | 2 25                    | 0 23                    | 0 59                   | 1 39                    | 0 23                    | 8 7                    | 22 47                   | 23 44                   | 16 17                   | 22 8                    |                         |
| M                              | $\odot$ 's longitude   | $\odot$ 's declin.      | Clock aft. $\odot$      | $\odot$ 's longt.      | $\mathbb{D}$ 's latit.  | $\mathbb{D}$ 's declin. | $\mathbb{D}$ 's long.  | $\mathbb{D}$ 's longit. |
| ○                              | 8 55                   | 7 21 s 49               | 10 44                   | 20 $\gamma$ 41         | 5 n 13                  | 5 n 51                  | 24 $\Delta$ 50         | 15 $\not$ 27            | 25 $\not$ 22            | 23 $\not$ 46            | 22 $\not$ 30            |                         |
| 2                              | 9 56                   | 1 21 58                 | 10 21                   | 15 58                  | 5 11                    | 11 42                   | 24 56                  | 15 40                   | 26 7 24                 | 49 24                   | 1                       |                         |
| 3                              | 10 56                  | 56 22                   | 7 9                     | 57 29                  | 42 4                    | 51 15                   | 55 25                  | 21 15                   | 54 26                   | 53 25                   | 57 25                   | 32                      |
| 4                              | 11 57                  | 52 22                   | 15 9                    | 33 13 $\delta$ 54      | 4 14                    | 20 42                   | 25 8 16                | 7 27                    | 38 27                   | 6 27                    | 2                       |                         |
| 5                              | 12 58                  | 48 22                   | 23 9                    | 8 28                   | 29 3                    | 19 23                   | 4 25                   | 14 16                   | 21 28                   | 24 28                   | 14 28                   | 31                      |
| 6                              | 13 59                  | 46 22                   | 30 8                    | 43 13 $\pi$ 21         | 2 9 24                  | 34 25                   | 20 16                  | 34 29                   | 9 29                    | 23 0                    | 0 $\gamma$ 0            |                         |
| 7                              | 15 0                   | 44 22                   | 37 8                    | 18 28                  | 23 0 50                 | 24 17 25                | 25 16                  | 48 29                   | 55 0 $\pi$              | 31 1                    | 29                      |                         |
| ○                              | 16 1                   | 44 22                   | 44 7                    | 51 13 $\pi$ 25         | 0 s 33                  | 22 15 25                | 31 17                  | 2 0 $\pi$ 40            | 1 39                    | 2 57                    |                         |                         |
| 9                              | 17 2                   | 45 22                   | 50 7                    | 25 28                  | 19 1                    | 53 18                   | 41 25                  | 36 17                   | 15 1                    | 26 2                    | 46 4                    | 24                      |
| 10                             | 18 3                   | 46 22                   | 56 6                    | 57 12 $\pi$ 59         | 3 4 14                  | 0 25                    | 42 17                  | 29 2                    | 12 3                    | 54 5                    | 50                      |                         |
| 11                             | 19 4                   | 49 23                   | 1 6                     | 30 27                  | 20 4                    | 2 8                     | 37 25                  | 47 17                   | 42 2                    | 58 5                    | 1 7                     | 15                      |
| 12                             | 20 5                   | 52 23                   | 6 6                     | 2 11 $\pi$ 20          | 4 44                    | 2 57                    | 25 25                  | 52 17                   | 56 3                    | 44 6                    | 9 8                     | 38                      |
| 13                             | 21 6                   | 57 23                   | 10 5                    | 33 24                  | 58 5                    | 9 2 s 43                | 25 57 18               | 10 4                    | 30 7                    | 16 10                   | 0                       |                         |
| 14                             | 22 8                   | 2 23                    | 14 5                    | 5 8 $\Delta$ 15        | 5 17                    | 8 8 26                  | 2 18 23                | 5 16                    | 8 23                    | 11 2                    | 37                      |                         |
| ○                              | 23 9                   | 9 23                    | 17 4                    | 36 21                  | 14 5                    | 8 13                    | 2 26                   | 7 18 37                 | 6 2                     | 9 29                    | 12                      |                         |
| 16                             | 24 10                  | 17 23                   | 20 4                    | 6 31 $\pi$ 56          | 4 44                    | 17 17                   | 26 12 18               | 50 6                    | 48 10                   | 36 13                   | 52                      |                         |
| 17                             | 25 11                  | 25 23                   | 23 3                    | 37 16                  | 23 4                    | 7 20                    | 42 26                  | 17 19                   | 4 7                     | 34 11                   | 42 15                   | 4                       |
| 18                             | 26 12                  | 34 23                   | 25 3                    | 7 28                   | 40 3                    | 19 23                   | 7 26                   | 22 19                   | 17 8                    | 20 12                   | 48 16                   | 12                      |
| 19                             | 27 13                  | 44 23                   | 26 2                    | 37 10 $\pi$ 45         | 2 23 24                 | 26 26                   | 26 19                  | 31 9                    | 6 13                    | 54 17                   | 16                      |                         |
| 20                             | 28 14                  | 55 23                   | 27 2                    | 7 22                   | 45 1                    | 20 24                   | 36 26                  | 31 19                   | 45 9                    | 52 14                   | 59 18                   | 15                      |
| 21                             | 29 16                  | 5 23                    | 28 1                    | 37 4 $\gamma$ 38       | 0 15                    | 23 38                   | 26 35 19               | 58 10                   | 38 16                   | 4 19                    | 8                       |                         |
| ○                              | 0 17                   | 16 23                   | 28 1                    | 7 16                   | 27 0 n 50               | 21 37                   | 26 40 20               | 12 11                   | 24 7                    | 9 19                    | 55                      |                         |
| 23                             | 1 18                   | 28 23                   | 27 0                    | 37 28                  | 14 1                    | 53 18                   | 42 26                  | 44 20                   | 26 12                   | 11 18                   | 13 20                   | 37                      |
| 24                             | 2 19                   | 40 23                   | 27 0                    | 7 10 $\pi$ 2           | 2 52                    | 14 59                   | 26 49 20               | 39 12                   | 57 19                   | 18 21                   | 8                       |                         |
| 25                             | 3 20                   | 51 23                   | 25 0 b. 24              | 21 54                  | 3 43                    | 10 42                   | 26 53 29               | 53 13                   | 44 20                   | 22 21                   | 28                      |                         |
| 26                             | 4 22                   | 3 23                    | 24 0                    | 54 3 $\times$ 53       | 4 26                    | 5 58                    | 26 57 21               | 6 14                    | 30 21                   | 25 21R                  | 39                      |                         |
| 27                             | 5 23                   | 15 23                   | 21 1                    | 23 16                  | 3 4 $\Delta$ 56         | 0 57                    | 27 1 21                | 20 15                   | 16 22                   | 28 21                   | 42                      |                         |
| 28                             | 6 24                   | 26 23                   | 19 1                    | 53 28                  | 28 5                    | 14 4 n 12               | 27 5 21                | 33 16                   | 3 23                    | 31 21                   | 33                      |                         |
| ○                              | 7 25                   | 37 23                   | 15 2                    | 23 11 $\gamma$ 13      | 5 18                    | 9 19 27                 | 9 21                   | 47 16                   | 49 24                   | 34 21                   | 10                      |                         |
| 30                             | 8 26                   | 48 23                   | 12 2                    | 52 24                  | 22 5                    | 5 14                    | 10 27                  | 13 22                   | 0 17                    | 36 25                   | 36 20                   | 37                      |
| 31                             | 9 27                   | 59 23                   | 8 3                     | 21 7 8 56              | 4 34                    | 18 29                   | 27 17 22               | 13 18                   | 22 26                   | 29 19                   | 53                      |                         |

## THE GEORGIAN, OR NEW PLANET.

| Longitude. |       |       | Latitude. |      |      | Declination: |      |      |
|------------|-------|-------|-----------|------|------|--------------|------|------|
| 1st        | 11th  | 21st  | 1st.      | 11th | 21st | 1st          | 11th | 21st |
| 24 5       | 24 32 | 24 55 | 0 n 35    | 0 35 | 0 35 | 8 s 49       | 8 59 | 9 7  |